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AIRCRAFT HYDRAULIC SYSTEMS

CAREER FIELD EDUCATION

AND TRAINING PLAN

CAREER FIELD EDUCATION AND TRAINING PLAN
AIRCRAFT HYDRAULIC SYSTEMS
AFSC 2A6X5

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PART II

AIRCRAFT HYDRAULIC SYSTEMS SPECIALTY
AFSC 2A6X5
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for 2A6X5, Aircraft Hydraulic Systems Specialty. The CFETP will provide personnel a clear career path to success and instills rigor in all aspects of career field training. Note: Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.
2.1 Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan; Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path; Section C associates each level with specialty qualifications (knowledge, education, training, and others). Section D indicates resource constraints; some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements for SSgt through MSgt.
2.2 Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, technical references to support training; Air Education and Training Command (AETC) conducted training, wartime course/core task and correspondence course requirements. Section B contains the course objective list/training standards supervisors will use to determine if airmen satisfied training requirements. Section C identifies available support materials; an example is a Qualification Training Package (QTP) which may be developed to support proficiency training. These packages are indexed in AFIND8, Numerical Index of Specialized Educational Training Publications. Section D identifies a training course index supervisors can use to determine resources available to support training, included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors can use to determine additional training required for the associated qualification needs.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and

trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training. Formal course which provides individuals who are qualified in their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of an AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list that describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks of AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, eliminate duplication, and ensure training is budget defensible.

Continuation Training. Additional training exceeding minimum upgrade requirements with emphasis on present or future duty assignments.

Core Task. Tasks that Air Force functional managers identify as minimum qualification requirements within an Air Force Specialty regardless of duty position. Only a percentage of critical tasks for each system are listed as mandatory core tasks. This gives units needed flexibility to manage their workforce training. Core tasks identified with *R are optional for ANG and AFRC.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs.*

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal school course that results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional course designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, or equipment, that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by Air Education and Training Command (AETC), approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between AETC and the functional user to show which of the overall training requirements for an Air Force Specialty Code (AFSC) are taught in formal schools, Career Development Courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist Air Force Career Field Managers in making critical

judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training. A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) function managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

SECTION A - GENERAL INFORMATION

1. Purpose. This CFETP provides the information necessary for the Air Force Career Field Manager (AFCFM), MAJCOM functional managers (MFMs), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A6X5 should receive to develop and progress throughout their career. This CFETP identifies initial skill, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB, Tx. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:
1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
1.2. Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individuals career.
1.3. Lists training courses available in the specialty and identifies sources of training, and the training delivery method.
1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. This plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining the resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A6X5 will initiate an annual review of this document by AETC and MAJCOM AFSC functional managers to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions.

4.1. Specialty Summary. Performs and supervises aircraft hydraulic functions and activities. Troubleshoots, inspects, removes, installs, repairs, modifies, overhauls, and operates aircraft hydraulic systems, components, and associated support equipment. Related DoD Occupational Subgroup: 602.

4.2. Duties and Responsibilities:

4.2.1. Aircraft Hydraulic Systems Apprentice and Journeyman: Inspects, operates, troubleshoots, removes, repairs, overhauls, and installs aircraft hydraulic and pneumatic systems and components, including support equipment (SE). Identifies and isolates malfunctions, services, bleeds, bench checks, rigs, and performs adjustments to aircraft hydraulic components, associated electrical components, power systems, landing gear, nose wheel steering, brakes, flight controls, weapons/cargo door systems, air refueling receiving systems, in-flight refueling systems, hoist/winch systems, engine start systems, recovery systems, arresting gear, air induction systems, and canopy systems. Inspects and pressure tests hydraulic line/tube assemblies. Drains and flushes hydraulic systems. Overhauls, repairs, adjusts, aligns, and tests hydraulic system/sub-system components. Fabricates and pressure tests hose assemblies. Operates and maintains shop equipment.

Uses hydraulic, pneumatic, and electronic principles and fundamentals, technical orders, and schematic diagrams to isolate malfunctions. Records pertinent data on equipment maintenance data collection forms and/or enters data into Automated Maintenance Systems. Maintains inspection and maintenance records. Recommends methods to improve equipment, performance, and maintenance procedures. Handles, labels, and disposes of hazardous materials and waste according to environmental standards.

4.2.2. Aircraft Hydraulic Systems Craftsman: Interprets publications, inspects, analyzes, troubleshoots, performs maintenance, and provides expertise on hydraulic systems, and associated equipment. Establishes priorities for completion of maintenance tasks and provides assistance in solving maintenance, supply, and personnel problems. Evaluates requirements for quality deficiency reports. Provides training and task certification for skill level advancement. Supervises and evaluates job performance and maintenance techniques used to interpret, operate, troubleshoot, remove, repair, service, overhaul, and install aircraft hydraulic components and SE. Ensures hazardous materials and waste are handled, stored, and disposed of according to environmental standards. Ensures safety compliance.

4.2.3. Maintenance Superintendent: Manages maintenance and staff functions on aircraft hydraulic, fuel, electrical, environmental, and aircrew egress systems. Interprets and evaluates directives and publications, inspection findings, records, and reports and recommends corrective actions. Determines operational status and evaluates operational effectiveness of aircraft and associated systems. Inspects and evaluates maintenance activities and resolves problems. Interprets and establishes safety and training guidelines. Plans, organizes, directs and controls maintenance inspection, troubleshooting, and repair activities. Controls resources, and manages funds. Manages the hazardous materials and waste programs.

5. Career Skill Progression. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential that everyone involved in training to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives proper training at appropriate points in their career

5.1. Apprentice (3-level): Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

5.2. Journeyman (5-level): Once upgraded to the 5-level, a journeyman will enter into continuation training to broaden their experience base. Journeymen may be assigned job positions such as quality assurance and various staff positions. Journeymen should complete available TD courses and MAJCOM specific training. Individuals will attend

the Airman Leadership School (ALS) after having 48 months in the Air Force. Journeymen will be considered for appointment as unit trainers after completion of a formal trainer course. Individuals will use their CDCs to prepare for promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree. Time lines and requirements may vary for ANG and AFRC.

5.3. Craftsman (7-level): A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge on management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy.

5.4. Superintendent (9-level): A superintendent can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will complete the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. **Training Decisions:** The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the Aircraft Hydraulic Systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field U&TW held at Sheppard AFB, 9-12 Jul 96.

6.1. Initial Skills: A decision was made to revise the 3-level course by replacing the lesson on hydraulic system draining and flushing with hydraulic power system bleeding. The lesson on high pressure air carts was replaced with a lesson on utilizing nitrogen servicing equipment. Pneumatics training was reduced to pneumatic principles only. The group determined that the lesson on electronic principles was too in-depth, they decided that the hydraulic students needed only enough electronic principles to understand what they are reading from a multimeter. The following training was added: hazardous waste/material handling and storage; CAMS supply interface (Standard Base Supply System, SBSS); sealants; and the operational fundamentals of weapons/cargo door systems, air refueling receiver systems, and inflight refueling systems.

6.2. Five-Level Upgrade Training: The 5-level CDCs will be developed to add needed material. Many changes were added to the Specialty Training Standard (STS) to provide additional training, and to identify minimum core tasks for upgrade.

6.3. Seven-Level Upgrade Training. Seven-level CDCs were developed to provide greater depth of knowledge on hydraulic systems. The STS was re-accomplished to identify minimum Air Force core task requirements for upgrade. An in-residence 7-level

course was also developed that will provide advanced troubleshooting techniques. Seven-level CDCs must be completed prior to attending the resident course.

6.4. Continuation Training. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a continuation training program that ensures individuals in the hydraulic career field receive the necessary training at the appropriate point in their career. Training programs should identify both mandatory and optional training requirements.

7. Community College of the Air Force (CCAF) Academic Programs. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2 Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels; Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. Degree Requirements: All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective Technical Education; Leadership, Management, and Military Studies; or General Education	15
Total	64

7.3.1. Technical Education (24 Semester Hours): Completion of course J3ABR2A635-000 satisfies 16 semester hours of the technical education requirement. The remaining 8 semester hours are applied from Technical Core/Technical Elective courses.
7.3.2. Leadership, Management, and Military Studies (6 Semester Hours): Professional military education and/or civilian management courses.
7.3.3. Physical Education (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.
7.3.4. General Education (15 Semester Hours): Courses must meet the definition of General Education subjects/courses as provided in the CCAF General Catalog.
7.3.5. Program Elective (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.
7.4. AETC Instructor Requirements. Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an AETC Instructor should be actively pursuing an associate's degree. It is necessary for instructors to have at least an associate's degree so the Technical School can maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path.

8.1. Manpower Table.

Table A8.1. Manpower Table.

	CMSgt	SMSgt	MSgt	TSgt	SSgt	SrA	A1C
Base Level	136	102	124	283	605	804	449
MAJCOM Staff	19	7	2	0	0	0	0
HQ USAF Staff	1	0	0	0	0	0	0
FOA/DRU	1	0	0	0	0	0	0
Total	157	109	124	283	605	804	449

8.2. **Enlisted Career Path.**

Table A8.2. Enlisted Career Path				
Education and Training Requirements	**GRADE REQUIREMENTS**			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training school				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Complete 3 months duty position/apprentice experience **before** beginning journeyman training. - Minimum 15 months on-the-job training. - Complete appropriate CDC if/when available. - Must complete 18 months training (3 month apprenticeship plus 15 months OJT) for award of the 5-skill level.	A1C SrA	16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).	**Trainer** - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
	Certifier - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose. Skill level training requirements in this career field are defined in terms of tasks and subject knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

10. Specialty Qualification. . The various skill levels in this career field are defined in terms of tasks and subject knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS in Part II, Section A of the CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

10.1. Apprentice Level Training.

10.1.1. Specialty Qualification:

10.1.1.1. Knowledge: To perform duties as an apprentice, an individual must be able to understand hydraulic, pneumatic, mechanical, and basic electrical principles applicable to aircraft and associated SE. The apprentice must be able to perform certain organizational level maintenance tasks under close supervision until task certified. An apprentice must be able to use technical data, common handtools, and special test equipment. An apprentice must be qualified to remove and install system components, perform operational checks, and troubleshoot simple malfunctions using system schematics. An apprentice must know the proper procedures for handling, storing, using, and disposing of hazardous waste and material.

10.1.1.2. Education: For entry into this specialty, completion of high school with courses in hydraulics, general science and mechanics is desirable.

10.1.1.3. Training: For award of AFSC 2A635, completion of a basic aircraft hydraulic systems maintenance course is mandatory.

10.1.1.4. Experience: There is no experience necessary for entry into AFSC 2A635.

10.1.1.5. Other: For entry into this specialty, normal color vision as defined in AFMAN 48-123 is mandatory.

10.1.2. Training Sources. The initial skills course, J3ABR2A635-000, will provide the required knowledge and qualifications. Initial skills training encompasses hydraulic system theory and operation, electrical and electronic principles, system components, component removal and installation, introduction to maintenance concepts, general flight line maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use.

10.1.3. Implementation. Upon graduation from Basic Military Training, airmen are assigned to the Training Wing for completion of Course J3ABR2A635 000, Aircraft

Hydraulic Systems Apprentice. Completion of this course will result in award of the 3-skill level.

10.2. Journeyman Level Training:

10.2.1. Specialty Qualification:

10.2.1.1. Knowledge: In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain hydraulic systems and associated subsystems. An individual must be task qualified on inspecting aircraft hydraulic systems and components, troubleshooting and correcting system malfunctions, and repairing and replacing system components. Journeymen perform operational checks, component repair, and maintenance of test and support equipment. Individuals can apply the proper handling, storing, use, and disposal of hazardous waste and materials.

10.2.1.2. Education: There is no formal education for upgrade to 2A655.

10.2.1.3. Training: Requirements for the Journeyman level require completion of the 5-level CDC and completion of the core tasks specified in the STS.

10.2.1.4. Experience: Qualification in and possession of AFSC 2A635. Also, experience performing or supervising functions such as installing, maintaining, or repairing aircraft hydraulic systems.

10.2.1.5. Other: Normal color vision as defined in AFMAN 48-123 is mandatory.

10.2.2. Training Sources and Resources. The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.3. Implementation. Training to the 5-level is performed by the units, utilizing STS and CDCs. Upgrade to the 5-level requires completion of the 2A655 CDCs and completion of all core tasks. Emphasis must be placed on hydraulic systems core tasks prior to any Cross Utilization Training (CUT) in other aircraft related tasks.

10.3. Craftsman Level Training:

10.3.1. Specialty Qualification.

10.3.1.1. Knowledge. In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of hydraulic systems. The 7-level must be able to supervise and train personnel to maintain hydraulic systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

10.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level.

10.3.1.3. Training. Completion of CDC 2A675 and the resident 7-level course, J3ACR2A675-000, at Sheppard AFB TX is mandatory for upgrade to AFSC 2A675

10.3.1.4. Experience. Completion of all required 7-level core tasks as identified in the STS, and qualification in and possession of AFSC 2A655. Also, experience performing

or supervising functions such as installing, maintaining, or repairing aircraft hydraulic systems.
10.3.1.5. Other. Normal color vision as defined in AFMAN 48-123 is mandatory.
10.3.2. Training Sources and Resources. Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses, and the formal 7-level course, J3ACR2A675-000. The 7-level CDC and resident courses are written to provide advanced system and management knowledge, and troubleshooting skills.
10.3.3. Implementation. Upgrade to the 7-level will require completion of all AF core tasks, 7-level CDCs, 18 months OJT as a SSgt, and completion of the 7-level hydraulic systems course. Completion of AF core tasks, 7-level CDC, and 12 months OJT as a SSgt will be completed before attending the resident course.
10.4. Superintendent Level Training (9-Level).
10.4.1. Specialty Qualification.
10.4.1.1. Knowledge. In addition to 7-level qualifications, an individual must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance. The 9-level needs to be an effective leader; must be able to forecast, budget and manage funds and other resources; and must be knowledgeable of all environmental standards and ensure adherence to the proper handling, storage, and disposal of hazardous materials.
10.4.1.2. Education. There are no additional requirements beyond those defined for the apprentice level.
10.4.1.3. Training. For award of AFSC 2A690, completion of Senior NCO Academy and promotion to SMSgt is mandatory
10.4.1.4. Experience. Qualification in and possession of AFSC 2A675. Also experience managing or directing repair activities for hydraulic systems, and associated maintenance functions.
10.4.1.5. Other. Normal color vision as defined in AFMAN 48-123 is mandatory.
10.4.2. Training Sources and Resources. The Senior NCO Academy and unit OJT will be used for training.
10.4.3. Implementation. The 9-level will be awarded after completing MAJCOM requirements, unit OJT and promoted to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt. Guard and Reserve personnel can use correspondence course.

SECTION D - RESOURCE CONSTRAINTS

11. Purpose: This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted. Included is a narrative explanation of each resource constraint, an impact statement describing the effect on training, the resources needed, and actions required to satisfy the training requirements.

12. **Apprentice Level Training.** There are no constraints.

13. **Five Level Training.** There are no constraints.

14. **Seven Level Training.** There are no constraints.

PART II

SECTION A - SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used for technical training provided by Air and Education Training Command for classes beginning 23 Apr 97 and graduating 1 Jul 97.

2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in the column 1 (task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. An asterisk (*) before the number indicates a wartime course objective.
2.2. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for AFRC and ANG. Certification on all shop/flightline core tasks applicable to at least one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Only core tasks which are applicable to base assigned aircraft or equipment are required for upgrade (units are not exempt if aircraft/equipment is assigned to another unit on base).
2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.
2.4. Show formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.
2.5. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.6. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. When used as a JQS, the following requirements apply:
2.6.1 Documentation. Document and certify completion of training. Pages 19-21 (Part II, Section A) must be filed in individual records. In addition, use of attachments one and two is mandatory in individual training records; use of attachments three through eight is optional depending upon duty position (one of the optional attachments must be filed). Automated records, utilizing Core Automated Management System (CAMS) or Integrated

Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Identify duty position requirements by circling the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: Tng Complete, Trainee Initials, Trainer Initials, and Certifier Initials (if applicable). There are no approved AFJQS for this AFSC.

2.6.1.1. Converting from Old Document to CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter trainee and trainer's initials. The certifer will initial for core tasks only. For previous certification on tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify with current date, trainer and trainee's initial. The certifier will initial in certifer's block for core tasks.

2.6.1.2. Documenting Career Knowledge. When a CDC is not available: the supervisor identifies STS training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 26-2108. For two-time CDC course exam failures: Supervisors identify all STS items corresponding to the areas covered by the CDC. The trainee completes a study of STS references, undergoes evaluation by the task certifier, and receives certification on the STS. ***NOTE:*** Career Knowledge must be documented prior to submitting a CDC waiver.

2.6.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid (if the entries were made in ink) over the previously certified entry.

2.6.2. Training Standard. Tasks are trained and qualified to the go/no go level. Go means the individual can perform the task without assistance and meet local demands for accuracy, timeliness, and correct use of procedures.

2.7. The STS is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 364 TRS/TRR, 511 9th Ave STE 1, Sheppard AFB TX, 76311-2338. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

WILLIAM P. HALLIN, Lieutenant General, USAF
DCS/Installations and Logistics

8 Atch
1. Proficiency Code Key (Mandatory to file with pages 19-21)
2. Training Requirements (Mandatory)
3. Supplemental Requirements, AMC Aircraft (Optional)
4. Supplemental Requirements, ACC Fighters (Optional)
5. Supplemental Requirements, B-1 (Optional)
6. Supplemental Requirements, B-2 (Optional)
7. Supplemental Requirements, B-52 (Optional)
8. Supplemental Requirements, E-3 (Optional)

NOTE: One of the optional attachments must be filed.

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written*)*	SSAN

Printed Name Of Training/Certifying Official And Written Initials	
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	**Definition: The individual**
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

\- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDC's.

/ This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained in the in-resident AETC courses during war time.

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
ATTACHMENT 2 NOTE 1: The tasks and knowledge listed in attachment 2 apply to all personnel in the hydraulic systems specialty. NOTE 2: Tasks and knowledge identified by an asterisk (*) in column 1 are trained in the in-resident AETC wartime courses. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Items marked in columns 2a or 2b marked with a (*R) are optional core tasks for ANG and AFRC. NOTE 5: Address comments and recommended changes through the MAJCOM Functional Managers to the AETC Training Manager, DSN 736-2772.												
A2.1 SECURITY											
A2.1.1. Communication Security (COMSEC) TR: DOD 5200;1R, AFP 100-46											
A2.1.1.1. Classify information								-	-	-	-
A2.1.1.2. Prevent security violations								-	-	-	-
A2.1.1.3. Use MAJCOM/SOA EEFIs								-	-	-	-
A2.1.1.4 Observe security precautions involved in communications								-	-	-	-
A2.2. Operations Security (OPSEC) TR: AFI 10-1101											
A2.2.1. Definition of OPSEC								-	-	-	-
A2.2.2. History of OPSEC								-	-	-	-
A2.2.3. Relationship of OPSEC to other security programs such as COMSEC, information security, and physical security								-	-	-	-
A2.2.4. Common OPSEC vulnerabilities								-	-	-	-
A2.2.5. OPSEC significance of unclassified data								-	-	-	-
*A2.2.6. Specific OPSEC vulnerabilities of the AFSC 2A6X5								A	-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFI 91-302; Applicable OSHA and AFOSH standards											
*A2.3.1. Hazards of the AFSC 2A6X5								A	B	-	-
A2.3.1.1. Initiate AFTO Form 55								-	-	-	-
A2.3.2. AFOSH standards for AFSC 2A6X5								A	B	-	-
A2.3.3. Nuclear safety/nuclear safety regulations TR: AFIs 36-2104, 91-101, 91-104								-	B	-	-
A2.3.4. Maintain safe work area TR: AFIs 21-101, 32-2001								2b	B	-	-
A2.3.5. Use safety practices TR: AFIs 21-101, 32-2001; TO s 32-1-2, 32-1-101; AFOSH 91-2, -3 ; 127-12, -22, -31, -32, -45, -56, -67, -100 ;161-9, -20, -21											
*A2.3.5.1. In shop								2b	B	-	-
*A2.3.5.2. On flightline								2b	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A2.3.5.3. Tools/equipment								2b	B	-	-
*A2.3.5.4. Portable fire extinguishers								b	-	-	-
*A2.3.6. Initial Federal Hazard Communication Training Program (FHCTP) TR: AFOSH 48-8, 161-21, 161-21-1W, 161-21-1G								A	-	-	-
A2.3.7. Select/use restraint harness								-	-	-	-
A2.4. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: EPA State Regulations AFOSH 48-8											
*A2.4.1. Types of hazardous materials/fluids								B	B	-	-
*A2.4.2. Handling procedures								B	B	-	-
*A2.4.3. Storage and labeling								B	B	-	-
*A2.4.4. Proper disposal								B	B	-	-
A2.5. MAINTENANCE MANAGEMENT											
A2.5.1. Logistics Support/OPS Group Organizational Structure TR: AFI 21-101 and applicable MAJCOM directives								-	B	-	-
A2.5.2. Basic functions/structure within the maintenance complex								A	B	-	-
A2.5.3. Core Automated Maintenance System (CAMS) TR: AFMs 66-279; TO 00-20 series								B	B	-	-
*A2.5.4. Processing and controlling material TR: AFI 21-101, 00-20 series								A	B	-	-
A2.5.5. Management of training TR: AFI 36-2201								A	B	-	B
*A2.5.6. Maintenance Data Collection TR: TO 00-20 series								A	B	-	B
A2.5.7 Minimum Essential Subsystem List (MESL) TR: AFI 21-103											A
A2.5.8. Process PMEL equipment											
A2.5.9. Process repairable assets (DIFM)											
A2.6. MAINTENANCE AND INSPECTION											
A2.6.1 Maintenance systems TR: AFI 21-101								A	B	-	-
A2.6.2. Inspection systems TR: TO 00-20 series								A	B	-	-
*A2.6.3. Use Core Automated Maintenance System (CAMS) TR: AFMs 66-279: TO 00-20 series	*							2b	-	-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A2.6.4. Material Deficiency Reporting System TR: TO 00-35D-54, AFM 66-279								A	B	-	B
*A2.6.5. Use maintenance data collection forms TR: TO 00-20 series								2b	B	-	-
A2.6.6. Accomplish aircraft records/781 series forms								-	-	-	-
A2.6.7. Accomplish support equipment maintenance records											
A2.6.8. Perform aircraft periodic inspection workcards	*										
A2.7. SUPERVISION											
A2.7.1. Orient new personnel TR: AFI 36-2101, 36-2201								-	-	-	-
A2.7.2. Assign personnel to work crews TR: AFI 21-101								-	-	-	-
A2.7.3. Plan work assignments and priorities TR: AFI 21-101								-	-	-	-
A2.7.4. Schedule work assignments TR: AFI 21-101								-	-	-	-
A2.7.5. Establish											
A2.7.5.1. Work methods								-	-	-	-
A2.7.5.2. Controls								-	-	-	-
A2.7.5.3. Performance standards TR: AFI 21-101								-	-	-	-
A2.7.6. Evaluate work performance of subordinate personnel TR: 36-2403								-	-	-	-
A2.7.7. Resolve technical problems for subordinate personnel TR: AFI 21-101								-	-	-	-
A2.7.8. Counsel personnel and resolve individual problems								-	-	-	-
A2.7.9. Initiate action to correct substandard performance by personnel TR: AFIs 36-2907, 36-2503								-	-	-	-
A2.7.10 Inspect Maintenance Actions (IPI, Red X, etc.) TR:								-	-	3c	-
A2.7.11. Justify Personnel								-	-	-	-
A2.7.12. Justify Equipment								-	-	-	-
A2.8. TRAINING TR: AFI 36-2201											
A2.8.1. Evaluate personnel to determine need for training								-	-	-	-
A2.8.2. Plan and supervise OJT											
A2.8.2.1. Prepare job qualification standards								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.8.2.2. Conduct training								-	-	-	-
A2.8.2.3. Counsel trainees on their progress								-	-	-	-
A2.8.2.4. Monitor effectiveness of training											
A2.8.2.4.1. Career knowledge upgrade								-	-	-	-
A2.8.2.4.2. Job proficiency upgrade								-	-	-	-
A2.8.2.4.3. Qualifications								-	-	-	-
A2.8.3. Maintain training records								-	-	-	-
A2.8.4. Evaluate effectiveness of training programs								-	-	-	-
A2.8.5. Recommend personnel for training TR: AFIs 36-2101, 36-2201								-	-	-	-
A2.9. TECHNICAL PUBLICATIONS											
*A2.9.1. Fundamentals of the technical order system TR: TO 00-5 series								B	B	-	-
*A2.9.2. Use technical manuals TR: TO 00-5-1 (sec II and V); specific equipment technical manuals	*							2b	B	-	-
A2.9.3. Use standard publications TR: AFI O-series		*						-	-	-	-
*A2.9.4. Use methods and procedures technical orders TR: TO 00-XX series	*							2b	B	-	-
*A2.9.5. Use abbreviated technical orders TR: TO 00-5-1 (sec II), applicable abbreviated technical orders	*							2b	-	-	-
*A2.9.6. Comply with Time Compliance Technical Order TR: AFI 21-101; TO 00-5-15, applicable TCTOs								b	B	-	-
*A2.9.7. Initiate technical order improvement report TR: TO 00-5-1 (sec V)		*						a	B	-	-
A2.10. AF SUPPLY TR: AFM 67-1, AFM 66-279, TO 00-25-195											
*A2.10.1. Property accountability								A	B	-	-
A2.10.2. Principles of supply authorization and management								-	A	-	B
*A2.10.3. SBSS								2b/b	B	-	-
A2.10.4 Fed Log									A		
A2.10.5. DLA/DLR								-	B	-	B
A2.10.6. Funds management								-	-	-	-
A2.10.7. Maintain supply records								-	-	-	-
A2.10.8. Prepare forms for special requisition, issue, and parts turn-in											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.11. HYDRAULIC MAINTENANCE PRINCIPLES											
*A2.11.1. Composite Tool Kit (CTK) Program TR: AFI 21-101								A	B	-	-
A2.11.2. Use maintenance materials TR: AFOSH 127-66; TOs 32-1-2, 32-1-101, 32B14-3-1-101, 00-25-223, 33 series TOs											
A2.11.2.1. Tools											
*A2.11.2.1.1. Handtools	*							2b	B	-	-
*A2.11.2.1.2. Mechanical Measuring devices	*							2b	B	-	-
*A2.11.2.1.3. Multimeters	*							2b	B	-	-
A2.11.2.2. Aircraft hardware TR: TOs 00-25-223, 1-1A-8, 1-1A-14, 44H1-1-13											
*A2.11.2.2.1. Common hardware								2b	B	-	-
*A2.11.2.2.2. Safetying devices								2b	B	-	-
*A2.11.2.2.3. Sealing devices	*							2b	B	-	-
*A2.11.2.3. Fluids TR: TOs 42B2-1-3								2b	B	-	-
*A2.11.2.4. Lubricants TR: TO 00-25 223								2b	B	-	-
*A2.11.2.5. Cleaning agents TO 1-1-691								2b	B	-	-
*A2.11.2.6. Sealants TR: TO 1-1-691								a	B	-	-
*A2.11.3. Corrosion identification TR: TO 1-1-691								A	B	-	-
A2.11.4. Hose assemblies TR: TO 42E series											
*A2.11.4.1. Component identification								A	B	-	-
A2.11.4.2. Determine serviceability	*							-	B	-	-
A2.11.4.3. Fabricate								-	-	-	-
*A2.11.4.3.1. Machine								1b	B		
*A2.11.4.3.2. Hand	*							2b	B		
*A2.11.4.4. Test	*							1b	-	-	-
A2.11.5 Tubing TR: TO 1-1A-8											
A2.11.5.1. Identification								-	B	-	-
A2.11.5.2. Determine Serviceability	*							-	B	-	-
A2.11.5.3. Test								-	-	-	-
A2.11.5.4. Remove/Install Permaswedge								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.11.5.5. Reseal Permaswedge								-	-	-	-
A2.11.5.6. Remove/install Fitting								-	-	-	-
A2.11.5.7. Reseal Fitting								-	-	-	-
A2.11.6. Common maintenance practices TR: 00-25-172, applicable abbreviated equipment and aircraft TOs											
A2.11.6.1. Jack or level aircraft											
A2.11.6.1.1. Safety								-	B	-	-
A2.11.6.1.2. Manual								-	-	-	-
A2.11.6.1.3. Manifold								-	B	-	-
A2.11.6.1.4. Perform jacking team member duties								-	-	-	-
*A2.11.6. 2. Ground aircraft or equipment	*							A	-	-	-
A2.11.6.3. Lubricate aircraft								-	B	-	-
A2.11.6.4. Tow or move aircraft								-	-	-	-
A2.11.6.4.1. Perform wing/tail walker duties IAW applicable TO/checklist								-	-	-	-
A2.11.6.5. Operate air conditioner								-	-	-	-
A2.11.6.6. Install and remove ground safety devices								-	-	-	-
A2.11.6.7. Perform refuel/defuel team member duties IAW applicable TO/checklist								-	-	-	-
A2.11.6.8. Open and close engine cowling								-	-	-	-
A2.11.6.9. Remove/install aircraft access panels								-	-	-	-
A2.11.6.10. Use interphone								-	-	-	-
A2.11.6.11. Marshall aircraft								-	-	-	-
A2.11.6.12. Perform aircraft egress								-	-	-	-
A2.11.6.13. Foreign object damage (FOD)/dropped object prevention program (DOPP) in and around aircraft								-	-	-	-
A2.12. AIRCRAFT FAMILIARIZATION TR: AFI 16-401; applicable aircraft TOs											
*A2.12.1. Principles of flight								B	B	-	-
*A2.12.2. Aircraft designation system								B	-	-	-
*A2.12.3. Major aircraft system								B	-	-	-
*A2.12.4. Location of structural components								B	-	-	-
A2.12.5. Operation of external power unit								-	-	-	-
*A2.12.6 Apply/Disconnect external electrical power	*							2b	-	-	-
*A2.12.7 Apply/disconnect external hydraulic power	*							2b	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.13. ELECTRICAL/ELECTRONIC FUNDAMENTALS APPLICABLE TO AFSC 2A6X5 TR: TO 31 series; applicable aircraft TOs											
*A2.13.1. DC fundamentals								A	B	-	B
*A2.13.2. AC fundamentals								A	B	-	B
*A2.13.3. Operational fundamentals of basic circuits								A	B	-	B
*A2.13.4. Use schematics and diagrams								1b	B	c	B
*A2.13.5. Troubleshoot circuits								1b	B	c	B
A2.13.6. Aircraft guarded switches								-	-	-	-
A2.14. HYDRAULIC FUNDAMENTALS TR: TM 1-1500-204-23-2, Aviation Unit Maintenance and Aviation Intermediate Maintenance Manual, Pneudraulic Maintenance and Practices Volume 2											
*A2.14.1. Principle of hydraulics								A	B	-	-
*A2.14.2. Principles of pneumatics								A	B	-	-
*A2.14.3. Use schematics and diagrams	*							1b	B	c	B
A2.15. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
*A2.15.1. Operational fundamentals								B	B	-	-
*A2.15.2. Inspect system	*							2b	B	-	-
*A2.15.3. Perform operational check	*							1b	-	-	-
A2.15.4. Drain hydraulic system								-	-	-	-
*A2.15.5. Flush hydraulic system								-	B	-	-
*A2.15.6. Service Accumulator	*							1b	B	-	-
A2.15.7. Service Reservoir	*							1b	B	-	-
A2.15.8. Remove components											
*A2.15.8.1 Pumps								2b	-	-	-
A2.15.8.2 Motors								-	-	-	-
A2.15.8.3 Valves								-	-	-	-
A2.15.8.4 Filters								-	-	-	-
*A2.15.8.5 Reservoirs								2b	-	-	-
A2.15.8.6 Manifolds								-	-	-	-
A2.15.8.7 Accumulators								-	-	-	-
A2.15.8.8 Indicating Devices								-	-	-	-
A2.15.9. Install components											
*A2.15.9.1 Pumps								2b	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.15.9.2 Motors								-	-	-	-
A2.15.9.3 Valves								-	-	-	-
A2.15.9.4 Filters								-	-	-	-
*A2.15.9.5 Reservoirs								2b	-	-	-
A2.15.9.6 Manifolds								-	-	-	-
A2.15.9.7 Accumulators								-	-	-	-
A2.15..9.8 Indicating Devices								-	-	-	-
A2.15.10. Bleed hydraulic system	*							-	B	-	-
A2.15.11. Repair/overhaul components											
A2.15.11.1 Pumps								-	-	-	-
A2.15.11.2 Motors								-	-	-	-
A2.15.11.3 Valves								-	-	-	-
A2.15.11.4 Filters								-	-	-	-
A2.15.11.5 Reservoirs								-	-	-	-
A2.15.11.6 Manifolds								-	-	-	-
*A2.15.11.7 Accumulators								2b	B	-	-
A2.15.11.8 Indicating Devices								-	-	-	-
A2.15.12. Bench check components											
*A2.15.12.1 Pumps								2b	B	-	-
A2.15.12.2 Motors								-	-	-	-
A2.15.12.3 Valves								-	-	-	-
A2.15.12.4 Filters								-	-	-	-
*A2.15.12.5 Reservoirs								2b	B	-	-
A2.15.12.6 Manifolds								-	-	-	-
A2.15.12.7 Accumulators								-	-	-	-
A2.15.12.8 Indicating Devices								-	-	-	-
A2.15.13. Perform adjustments								-	B	-	-
*A2.15.14. Troubleshoot malfunctions		*						1b	B	3c	-
A2.16. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											
*A2.16.1. Operational fundamentals								B	B	-	-
*A2.16.2. Perform operational check of normal system	*							1b	-	-	-
*A2.16.3. Perform operational check of emergency system								1b	-	-	-
*A2.16.4. Inspect	*							2b	-	-	-
*A2.16.5. Service Struts	*							1b	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.16.6. Remove components											
A2.16.6.1 Actuators								-	-	-	-
A2.16.6.2 Motors								-	-	-	-
A2.16.6.3 Manifolds								-	-	-	-
A2.16.6.4 Valves								-	-	-	-
A2.16.6.5 Swivels								-	-	-	-
A2.16.7. Install components											
A2.16.7.1 Actuators								-	-	-	-
A2.16.8.1 Motors								-	-	-	-
A2.16.8.2 Manifolds								-	-	-	-
A2.16.8.3 Valves								-	-	-	-
A2.16.8.4 Swivels								-	-	-	-
A2.16.8. Bleed landing gear system								-	B	-	-
A2.16.9. Repair/Overhaul components											
*A2.16.9.1 Actuators								2b	-	-	-
A2.16.9.2 Motors								-	-	-	-
A2.16.9.3 Manifolds								-	-	-	-
A2.16.9.4 Valves								-	B	-	-
A2.16.9.5 Swivels								-	-	-	-
A2.16.9.6. Main Strut								-	-	-	-
A2.16.9.7. Nose Strut								-	-	-	-
A2.16.10. Bench check components								-	-	-	-
*A2.16.10.1 Actuators								1b	-	-	-
A2.16.10.2 Motors								-	-	-	-
A2.16.10.3 Manifolds								-	-	-	-
A2.16.10.4 Valves								-	B	-	-
A2. 16.10.5 Swivels								-	-	-	-
A2.16.10.6. Main Strut								-	-	-	-
A2.16.10.7. Nose Strut								-	-	-	-
A2.16.11. Perform adjustments								-	B	-	-
*A2.16.12. Troubleshoot malfunctions		*						1b	B	3c	-
A2.17. NOSE WHEEL STEERING SYSTEMS TR: Applicable aircraft TOs											
*A2.17.1. Operational fundamentals								B	B	-	-
*A2.17.2. Perform operational check	*							1b	-	-	-
*A2.17.3. Inspect	*							b	-	-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.17.4. Remove components											
A2.17.4.1 Actuators								-	-	-	-
A2.17.4.2 Manifolds								-	-	-	-
A2.17.4.3 Valves								-	-	-	
A2.17.4.4 Swivels								-	-	-	-
A2.17.5. Install components											
A2.17.5.1 Actuators								-	-	-	
A2.17.5.2 Manifolds								-	-	-	
A2.17.5.3 Valves								-	-	-	
A2.17.5.4 Swivels								-	-	-	
A2.17.6. Bleed system								-	-	-	-
A2.17.7. Repair/Overhaul components											
A2.17.7.1 Actuators								-	-	-	-
A2.17.7.2 Manifolds								-	-	-	-
A2.17.7.3 Valves								-	-	-	-
A2.17.7.4 Swivels								-	-	-	-
A2.17.8. Bench check components											
A2.17.8.1 Actuators								-	-	-	-
A2.17.8.2 Manifolds								-	-	-	-
A2.17.8.3 Valves								-	-	-	-
A2.17.8.3 Swivels								-	-	-	-
A2.17.9. Perform adjustments								-	-	-	-
*A2.17.10. Troubleshoot malfunctions		*						1b	B	-	-
A2.18. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
*A2.18.1. Operational fundamentals								B	B	-	-
A2.18.2. Perform operational check	*							-	-	-	-
A2.18.3. Inspect	*							-	-	-	-
*A2.18.4. Service components								1b	B	-	-
A2.18.5. Remove components											
A2.18.5.1 Swivels								-	-	-	-
A2.18.5. 2 Manifolds								-	-	-	-
A2.18.5.3 Accumulators								-	-	-	-
A2.18.5.4 Valves								-	-	-	-
A2.18.6. Install components											
A2.18.6.1 Swivels								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.18.6.2 Manifolds								-	-	-	-
A2.18.6.3 Accumulators								-	-	-	-
A2.18.6.4 Valves								-	-	-	-
A2.18.7. Bleed brake system	*							-	B	-	-
A2.18.8. Repair/Overhaul components											
A2.18.8.1 Swivels								-	-	-	-
A2.18.8.2 Manifolds								-	-	-	-
A2.18.8.3 Accumulators								-	-	-	-
A2.18..8.4 Valves								-	-	-	-
*A2.18.8.5 Brake Assemblies								2b	B	-	-
A2.18.9. Bench check components											
A2.18.9.1 Swivels								-	-	-	-
A2.18.9.2 Manifolds								-	-	-	-
A2.18.9.3 Accumulators								-	-	-	-
A2.18.9.4 Valves								-	-	-	-
*A2.18.9.5 Brake Assemblies								2b	-	-	-
A2.18.10. Perform adjustments								-	-	-	-
*A2.18.11. Troubleshoot malfunctions		*						1b	B	3c	-
A2.19. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
*A2.19.1. Operational fundamentals								B	B	-	-
*A2.19.2. Perform operational check	*							1b	-	-	-
*A2.19.3. Inspect system	*							2b	-	-	-
A2.19.4. Service Components								-	-	-	-
A2.19.5. Remove components											
*A2.19.5.1 Actuators	*							2b	-	-	-
A2.19.5.2 Motors								-	-	-	-
*A2.19.5.3 Valves								2b	-	-	-
A2.19.5.4 Boost Packs	*							-	-	-	-
A2.19.5.5 Manifolds								-	-	-	-
A2.19.5.6 Swivels								-	-	-	-
A2.19.6. Install components									-	-	-
*A2.19.6.1 Actuators	*							2b	-	-	-
A2.19.6.2 Motors								-	-	-	-
*A2.19.6.3 Valves								2b	-	-	-
A2.19.6.4 Boost Packs	*							-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.19.6.5 Manifolds								-	-	-	-
A2.19.6.6 Swivels								-	-	-	-
A2.19.7. Bleed flight control system								-	B	-	-
A2.19.8. Repair/Overhaul components											
A2.19.8.1 Actuators								-	-	-	-
A2.19.8.2 Motors								-	-	-	-
A2.19.8.3 Valves								-	-	-	-
A2.19.8.4 Boost Packs								-	-	-	-
A2.19.8.5 Manifolds								-	-	-	-
A2.19.8.6 Swivels								-	-	-	-
A2.19.9. Bench check components											
A2.19.9.1 Actuators								-	-	-	-
A2.19.9.2 Motors								-	-	-	-
A2.19.9.3 Valves								-	-	-	-
A2.19.9.4 Boost Packs								-	-	-	-
A2.19.9.5 Manifolds								-	-	-	-
A2.19.9.6 Swivels								-	-	-	-
A2.19.10. Perform adjustments								-	-	-	-
*A2.19.11. Troubleshoot malfunctions		*						1b	B	3c	-
A2.20. WEAPONS/CARGO DOOR SYSTEMS TR: Applicable aircraft TOs											
*A2.20.1. Operational fundamentals								A	B	-	-
A2.20.2. Perform operational check	*							-	-	-	-
A2.20.3. Inspect system	*							-	-	-	-
A2.20.4. Service components	*							-	-	-	-
A2.20.5. Remove components											
A2.20.5.1 Actuators								-	-	-	-
A2.20.5.2 Motors								-	-	-	-
A2.20.5.3 Valves								-	-	-	-
A2.20.5.4 Manifolds								-	-	-	-
A2.20.5.5 Swivels								-	-	-	-
A2.20.5.6 Pumps								-	-	-	-
A2.20.6. Install components											
A2.20.6.1. Actuators								-	-	-	-
A2.20.6.2. Motors								-	-	-	-
A2.20.6.3. Valves								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.20.6.4. Manifolds								-	-	-	-
A2.20.6.5. Swivels								-	-	-	-
A2.20.6.6. Pumps								-	-	-	-
A2.20.7. Bleed system								-	-	-	-
A2.20.8. Repair/Overhaul components											
A2.20.8.1. Actuators								-	-	-	-
A2.20.8.2. Motors								-	-	-	-
A2.20.8.3. Valves								-	-	-	-
A2.20.8.4. Manifolds								-	-	-	-
A2.20.8.5. Swivels								-	-	-	-
A2.20.8.6. Pumps								-	-	-	
A2.20.9. Bench check components											
A2.20.9.1. Actuators								-	-	-	-
A2.20.9.2. Motors								-	-	-	-
A2.20.9.3. Valves								-	-	-	-
A2.20.9.4. Manifolds								-	-	-	-
A2.20.9.5. Swivels								-	-	-	-
A2.20.9.6 Pumps								-	-	-	-
A2.20.10. Perform adjustments								-	-	-	-
*A2.20.11. Troubleshoot malfunctions		*						-	B	c	-
A2.21. AIR REFUELING RECEIVER SYSTEM TR: Applicable aircraft TOs											
A2.21.1. Operational fundamentals								A	B	-	-
A2.21.2. Perform operational check	*							-	-	-	-
A221.3. Inspect system	*							-	-	-	-
A2.21.4. Service components								-	-	-	-
A2.21.5. Remove components											
A2.21.5.1. Actuators								-	-	-	-
A2.21.5.2. Valves								-	-	-	-
A2.21.5.3. Manifolds								-	-	-	-
A2.21.6. Install components											
A2.21.6.1. Actuators								-	-	-	-
A2.21.6.2. Valves								-	-	-	-
A2.21.6.3. Manifolds								-	-	-	-
A2.21.7. Bleed system								-	-	-	-
A2.21.8. Repair/Overhaul components											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.21.8.1. Actuators								-	-	-	-
A2.21.8.2. Valves								-	-	-	-
A2.21.9. Bench check components											
A2.21.9.1. Actuators								-	-	-	-
A2.21.9.2. Valves								-	-	-	-
A2.21.10. Perform adjustments								-	-	-	-
A2.21.11. Rig ARR system								-	-	-	-
A2.21.12. Troubleshoot malfunctions		*						-	-	-	-
A2.22. INFLIGHT REFUELING SYSTEMS TR: Applicable aircraft TOs											
*A2.22.1. Operational fundamentals								A	B	-	-
A2.22.2. Perform operational check	*							-	-	-	-
A2.22.3. Inspect system	*							-	-	-	-
A2.22.4. Service components								-	-	-	-
A2.22.5. Remove components											
A2.22.5.1. Nozzle								-	-	-	-
A2.22.5.2. Valves								-	-	-	-
A2.22.5.3. Flex Coupling								-	-	-	-
A2.22.5.4. Boom Assembly								-	-	-	-
A2.22.5.5. Motors								-	-	-	-
A2.22.5.6. Bearings/Quadrants								-	-	-	-
A2.22.5.7. Switches								-	-	-	-
A2.22.5.8. Lock Latch								-	-	-	-
A2.22.5.9. Actuators								-	-	-	-
A2.22.5.10. Accumulator								-	-	-	-
A2.22.5.11. Surge Boots								-	-	-	-
A2.22.5.12. Hose Reel								-	-	-	-
A2.22.6. Install components											
A2.22.6.1. Nozzle								-	-	-	-
A2.22.6.2. Valves								-	-	-	-
A2.22.6.3. Flex Coupling								-	-	-	-
A2.22.6.4. Boom Assembly								-	-	-	-
A2.22.6.5. Motors								-	-	-	-
A2.22.6.6. Bearings/Quadrants								-	-	-	-
A2.22.6.7. Switches								-	-	-	-
A2.22.6.8. Lock Latch								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A2.22.6.9. Actuators								-	-	-	-
A2.22.6.10. Accumulator								-	-	-	-
A2.22.6.11. Surge Boots								-	-	-	-
A2.22.6.12. Hose Reel								-	-	-	-
A2.22.7. Bleed system								-	-	-	-
A2.22.8. Repair/Overhaul components											
A222.8.1. Nozzle								-	-	-	-
A2.22.8.2. Valves								-	-	-	-
A2.22.8.3. Boom Assembly								-	-	-	-
A2.22.8.4. Actuators								-	-	-	-
A2.22.8.5. Accumulator								-	-	-	-
A2.22.8.6. Hose Reel								-	-	-	-
A2.22.8.7. Drogue Assemblies								-	-	-	-
A2.22.9. Bench check components								-	-	-	-
A2.22.9.1. Nozzle								-	-	-	-
A2.22.9.2. Valves								-	-	-	-
A2.22.9.3. Boom Assembly								-	-	-	-
A2.22.9.4. Actuators								-	-	-	-
A2.22.9.5. Accumulator								-	-	-	-
A2.22.9.6. Hose Reel								-	-	-	-
A2.22.9.7. Drogue Assemblies								-	-	-	-
A2.22.10. Perform adjustments								-	-	-	-
A2.22.11. Rig IFR system		*						-	-	-	-
A2.22.12. Troubleshoot malfunctions		*						-	B	-	-
A2.23. SHOP AND AEROSPACE GROUND EQUIPMENT TR: Applicable equipment TOs											
A2.23.1. Shop equipment											
A2.23.1.1. Hose cutoff machine											
*A2.23.1.1.1. Operate								2b	B	-	-
A2.23.1.1.2. Maintain	*							-	B	-	-
A2.23.1.2. Hose assembly machine											
*A2.23.1.2.1. Operate								2b	B	-	-
A2.23.1.2.2. Maintain	*							-	B	-	-
A2.23.1.3. Hydraulic test stand											
*A2.23.1.3.1. Operate								2b	B	-	-
A2.23.1.3.2. Maintain	*							-	B	-	-

FUNDAMENTAL TRAINING REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
*A2.23.1.3.3. Connect to components								2b	-	-	-
A2.23.1.3.4. Troubleshoot		*						-	-	c	-
A2.23.1.3.5. Repair								-	-	-	-
A2.23.1.4. Pneumatic test stand											
A2.23.1.4.1. Operate								-	-	-	-
A2.23.1.4.2. Maintain								-	-	-	-
A2.23.1.4.3. Connect to components								-	-	-	-
A2.23.1.4.4. Troubleshoot								-	-	-	-
A2.23.1.4.5. Repair								-	-	-	-
A2.23.2. Operate ground support equipment											
*A2.23.2.1. Portable hydraulic test stands	*							1b	B	-	-
A2.23.2.2. Ground power units	*							-	B	-	-
*.A2.23.2.3. Nitrogen servicing carts								1b	B	-	-
A2.23.2.4. Air compressor units								-	B	-	-
*A2.23.2.5. Hydraulic servicing carts								1b	-	-	-
A2.23.2.6. Hydraulic jacks								-	B	-	-
A2.23.2.7. Maintenance stands								-	B	-	-
A2.23.2.8. Jacking manifold								-	B	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
ATTACHMENT 3-AMC NOTE 1: Tasks and knowledge listed in attachment 3 will be used in conjunction with attachment 2 by AMC personnel for upgrade requirements. NOTE 2: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 3: Address comments and recommended changes through AMC Functional Managers to the AETC Training Manager, DSN 736-2772.											
A3.1 GO81 TR: AMCI 21-101											
A3.1.1. Use Screen 9050 (Open aircraft discrepancies)								-	-	-	-
A3.1.2. Use Screen 9010 (Close aircraft discrepancies)								-	-	-	-
A3.1.3. Use Screen 9099 (MDC/close aircraft discrepancies								-	-	-	-
A3.1.4. Use Screen 8063 (Jobs closed, no MDC taken)								-	-	-	-
A3.1.5. Use Screen 9032 (Generate aircraft forms)								-	-	-	-
A3.1.6. Use Screen 9128 (Build repairable item processing tag)								-	-	-	-
A3.1.7. Use Screen 8044 (Supply information on an aircraft)								-	-	-	-
A3.1.8. Use Screen 8057 (Tail number bin list)								-	-	-	-
A3.2. HYDRAULIC MAINTENANCE PRINCIPLES											
A3.2.1. Common maintenance practices TR: 00-25-172, applicable abbreviated equipment and aircraft TOs											
A3.2.1.1. Operate MADAR/MMP/MCD systems								-	-	-	-
A3.2.1.2. Operate APU/GTC/ATM								-	-	-	-
A3.3. AIRCRAFT FAMILIARIZATION TR: AFI 16-401; applicable aircraft TOs											
A3.3.1. Perform inspection/connection/disconnect, start-up/shut-down (operation) of portable electrical power unit								-	-	-	-
A3.4. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
A3.4.1. Operational fundamentals											
A3.4.1.1. Main/auxiliary hydraulic power system								-	-	-	-
A3.4.1.2. Ram air turbine								-	-	-	-
A3.4.1.3. Emergency generator								-	-	-	-
A3.4.1.4. Auxiliary power unit hydraulic start system								-	-	-	-
A3.4.2. Inspect system											
A3.4.2.1. Main/auxiliary hydraulic power system								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.4.2.2. Ram air turbine								-	-	-	-
A3.4.2.3. Emergency generator								-	-	-	-
A3.4.2.4. Auxiliary power unit hydraulic start system								-	-	-	-
A3.4.3. Perform operational check											
A3.4.3.1. Ram air turbine								-	-	-	-
A3.4.3.2. Emergency generator system								-	-	-	-
A3.4.3.3. Main hydraulic power system								-	-	-	-
A3.4.3.4. Auxiliary hydraulic system/pumps								-	-	-	-
A3.4.3.5. Reservoir fill system								-	-	-	-
A3.4.3.6. Hydraulic reversible motor pump assembly								-	-	-	-
A3.4.4. Remove/install components											
A3.4.4.1 Pumps											
A3.4.4.1.1. Hydraulic pumps								-	-	-	-
A3.4.4.1.2. Engine driven pumps								-	-	-	-
A3.4.4.1.3. Auxiliary/ATM hydraulic pumps								-	-	-	-
A3.4.4.1.4. Hydraulic/electrical suction boost pumps								-	-	-	-
A3.4.4.1.5. Power transfer unit/reversible pump								-	-	-	-
A3.4.4.1.6. Emergency generator pumps								-	-	-	-
A3.4.4.2. Remove/Install Motors											
A3.4.4.2.1. Hydraulic motors								-	-	-	-
A3.4.4.2.2. Power transfer motor								-	-	-	-
A3.4.4.2.3. APU start motor								-	-	-	-
A3.4.4.2.4. Remove/Install Ram air turbine											
A3.4.4.2.4.1. Ram air turbine extend/retract actuator								-	-	-	-
A3.4.4.2.4.2. Ram air turbine pressure regulator								-	-	-	-
A3.4.4.1.4.3. Ram air turbine pump								-	-	-	-
A3.4.4.1.4.4. Ram air turbine line replaceable units								-	-	-	-
A3.4.4.3. Remove/Install Valves											
A3.4.4.3.1. Shutoff valves								-	-	-	-
A3.4.4.3.2. Selector valves								-	-	-	-
A3.4.4.3.3. APU start selector/bypass valve								-	-	-	-
A3.4.4.3.4. Crossover/interconnect valves								-	-	-	-
A3.4.4.3.5. Pump bleed/auto prime valves								-	-	-	-
A3.4.4.3.6. Check valves								-	-	-	-
A3.4.4.4. Remove/Install Manifolds											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.4.4.4.1. Engine manifold/filter pack								-	-	-	-
A3.4.4.4.2. Power transfer/reversible manifold assembly								-	-	-	-
A3.4.4.4.3. Return system manifold								-	-	-	-
A3.4.4.4.4. Auxiliary pump filter manifold								-	-	-	-
A3.4.4.5. Remove/Install Pressure/temperature switches								-	-	-	-
A3.4.5. Repair/overhaul/bench check components											
A3.4.5.1. Motor											
A3.4.5.1.1. APU start motor								-	-	-	-
A3.4.5.1.2. PTU								-	-	-	-
A3.4.5.1.3. ATM								-	-	-	-
A3.4.5.2. Valves											
A3.4.5.2.1. Selector valves								-	-	-	-
A3.4.5.2.2. Shutoff valves								-	-	-	-
A3.5. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											
A3.5.1. Operational fundamentals											
A3.5.1.1. Landing gear extension and retraction (Normal/emergency)								-	-	-	-
A3.5.1.2. MLG crosswind/caster and emergency positioning system								-	-	-	-
A3.5.1.3. LG kneeling system								-	-	-	-
A3.5.1.4. LG ground sensing								-	-	-	-
A3.5.1.5. Body gear steering system								-	-	-	-
A3.5.2. Perform operational check of normal system											
A3.5.2.1. MLG extension/retraction check (Position A/B, C-5, C-17, C-141, KC-135)								-	-	-	-
A3.5.2.2. LG simulated extension/retraction check (Position A/B, C-5, C-17, C-141, KC-135)								-	-	-	-
A3.5.2.3. Centerline landing gear jacking/retraction								-	-	-	-
A3.5.2.4. Crosswind/caster positioning check								-	-	-	-
A3.5.2.5. Perform crosswind/caster BITE check								-	-	-	-
A3.5.2.6. MLG kneeling system check								-	-	-	-
A3.5.2.7. Landing gear manual override system								-	-	-	-
A3.5.2.8 Body gear steering								-	-	-	-
A3.5.3. Perform operational check of emergency system											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.5.3.1. Crosswind/caster and emergency positioning check								-	-	-	-
A3.5.3.2. LG emergency extension check								-	-	-	-
A3.5.4. Inspect											
A3.5.4.1. Landing gear strut and hydraulic actuating components								-	-	-	-
A3.5.4.2. Crosswind/caster and emergency positioning hydraulics components								-	-	-	-
A3.5.4.3. LG kneeling system hydraulic components								-	-	-	-
A3.5.4.4. Body gear steering								-	-	-	-
A3.5.5. Remove/install components											
A3.5.5.1. Remove/Install Actuators											
A3.5.5.1.1. Main landing gear collar lock actuator								-	-	-	-
A3.5.5.1.2. Main landing gear rotation actuator								-	-		-
A3.5.5.1.3. Landing gear uplock/downlock actuator								-	-	-	-
A3.5.5.1.4. Main landing gear normal door lock/latch/flapper actuator								-	-	-	-
A3.5.5.1.5. Crosswind actuator								-	-	-	-
A3.5.5.1.6. LG door actuator								-	-	-	-
A3.5.5.1.7. Landing gear hydraulic actuator/retract cylinder								-	-	-	-
A3.5.5.1.8. MLG pitch positioner master cylinder								-	-	-	-
A3.5.5.1.9. MLG pitch position/bogi-trim/axle beam positioner cylinder								-	-	-	-
A3.5.5.1.10. MLG hydraulic interlock cylinder								-	-	-	-
A3.5.5.2. Remove/Install Manifolds											
A3.5.5.2.1. Main landing gear rotation manifold								-	-	-	-
A3.5.5.2.2. Main landing gear crosswind manifold								-	-	-	-
A3.5.5.3. Remove/Install Valves											
A3.5.5.3.1. Main landing gear interlock sequence valve								-	-	-	-
A3.5.5.3.2. Main landing gear collar lock sequence valve								-	-	-	-
A3.5.5.3.3. Landing gear snubber valve								-	-	-	-
A3.5.5.3.4. Landing gear control/selector/sequence valves								-	-	-	-
A3.5.5.3.5. Centerline landing gear control valve								-	-	-	-
A3.5.5.4. Landing gear shock strut assembly								-	-	-	-
A3.5.5.5. Landing gear hydraulic clutch								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.5.5.6. MLG kneel brake								-	-	-	-
A3.5.5.7. Landing gear hydraulic motor brake								-	-	-	-
A3.5.5.8. Remove/install landing gear gland								-	-	-	-
A3.5.6. Repair/Overhaul components											
A3.5.6.1. Struts											
A3.5.6.1.1. Centerline								-	-	-	-
A3.5.7. Perform adjustments											
A3.5.7.1. Adjust 90 degree switch on MLG normal rotation actuator								-	-	-	-
A3.5.8. Service MLG pitch position/axle beam positioner system								-	-	-	-
A3.6. NOSE WHEEL STEERING SYSTEMS TR: Applicable aircraft TOs											
A3.6.1. Operational fundamentals											
A3.6.1.1. Steering system (normal/alternate)								-	-	-	-
A3.6.1.2. Rudder pedal steering system								-	-	-	-
A3.6.2. Perform operational check								1b	-	-	-
A3.6.2.1. NLG steering hydraulic system								-	-	-	-
A3.6.2.2. Rudder pedal steering system								-	-	-	-
A3.6.3. Inspect NLG steering hydraulic components								b	-	-	-
A3.6.4. Remove/install components											
A3.6.4.1 Actuators											
A3.6.4.1.1. NLG steering actuator								-	-	-	-
A3.6.4.1.2. Nose landing gear rudder pedal steering actuator								-	-	-	-
A3.6.4.2. Valves											
A3.6.4.2.1. NLG steering control valve								-	-	-	-
A3.6.4.2.2. NLG steering shuttle bypass/relief valve								-	-	-	-
A3.6.4.2.3. NLG rudder pedal steering shutoff valve/bypass								-	-	-	-
A3.6.4.2.4. Steering metering valve								-	-	-	-
A3.6.4.3. Nose wheel and rudder pedal steering LRUs								-	-	-	-
A3.6.5. Repair/overhaul/bench check components											
A3.6.5.1. Valves											
A3.6.5.1.1. Control valves								-	-	-	-
A3.6.5.1.2. Shutoff valves								-	-	-	-
A3.6.5.1.3. Bypass valves								-	-	-	-
A3.6.5.1.4. Relief valves								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.6.5.1.5. Metering valves								-	-	-	-
A3.6.5.2. Restrictors								-	-	-	-
A3.7. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
A3.7.1. Perform operational check											
A3.7.1.1. Operational check of MLG brake system								-	-	-	-
A3.7.1.2. Brake/anti-skid BITE check of MLG brake system								-	-	-	-
A3.7.2. Inspect											
A3.7.2.1. MLG brake/anti-skid hydraulic components								-	-	-	-
A3.7.2.2. Hot brakes								-	-	-	-
A3.7.3. Remove/install components											
A3.7.3.1. Manifolds											
A3.7.3.1.1. Primary and alternate brake manifold								-	-	-	-
A3.7.3.1.2. Antiskid manifold								-	-	-	-
A3.7.3.1.3. Brake shuttle/manifold assembly								-	-	-	-
A3.7.3.2. Valves											
A3.7.3.2.1. MLG seven port brake valve								-	-	-	-
A3.7.3.2.2. Brake/antiskid E.H. valves								-	-	-	-
A3.7.3.2.3. Brake selector valve								-	-	-	-
A3.7.3.2.4. Brake main metering/limiter valve								-	-	-	-
A3.7.3.2.5. Pilot/copilot brake metering valve								-	-	-	-
A3.7.3.2.6. Dual brake control valve								-	-	-	-
A3.7.3.2.7. Parking brake valves								-	-	-	-
A3.7.3.2.8. Brake deboost valve								-	-	-	-
A3.7.3.3. MLG ballscrew brake fluid transfer housing								-	-	-	-
A3.7.3.4. Brake valve actuator								-	-	-	-
A3.8. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
A3.8.1. Operational fundamentals											
A3.8.1.1. Primary flight controls											
A3.8.1.1.1. Aileron								-	-	-	-
A3.8.1.1.2. Elevator								-	-	-	-
A3.8.1.1.3. Rudder								-	-	-	-
A3.8.1.2. Secondary flight controls											
A3.8.1.2.1. Flaps								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.8.1.2.2. Horizontal stabilizer								-	-	-	-
A3.8.1.2.3. Slats								-	-	-	-
A3.8.1.2.4. Spoilers								-	-	-	-
A3.8.2. Perform operational check											
A3.8.2.1. Mechanical control/EFCS system								-	-	-	-
A3.8.2.2. Aileron system								-	-	-	-
A3.8.2.3. Elevator system								-	-	-	-
A3.8.2.4. Rudder system								-	-	-	-
A3.8.2.5. Flap system								-	-	-	-
A3.8.2.6. Pitch trim system								-	-	-	-
A3.8.2.7. Horizontal stabilizer system								-	-	-	-
A3.8.2.8. Spoiler/speed brake system								-	-	-	-
A3.8.2.9. Slat system								-	-	-	-
A3.8.3. Inspect system											
A3.8.3.1. Aileron								-	-	-	-
A3.8.3.2. Elevator								-	-	-	
A3.8.3.3. Rudder								-	-	-	-
A3.8.3.4. Flaps								-	-	-	-
A3.8.3.5. Horizontal stabilizer								-	-	-	-
A3.8.3.6. Slats								-	-	-	-
A3.8.3.7. Spoilers								-	-	-	-
A3.8.4. Remove/install components											
A3.8.4.1. Remove/Install Actuators											
A3.8.4.1.1. Control actuator								-	-	-	-
A3.8.4.1.2. Linear actuator								-	-	-	-
A3.8.4.1.3. Flight/ground spoiler actuator								-	-	-	-
A3.8.4.1.4. Spoiler pack/actuator								-	-	-	-
A3.8.4.1.5. Spoiler cable servo actuator								-	-	-	-
A3.8.4.1.6. Pitch trim arming actuator								-	-	-	-
A3.8.4.1.7. Slat actuator								-	-	-	-
A3.8.4.1.8. Leading edge flap hydraulic actuator								-	-	-	-
A3.8.4.1.9. Flap actuating cylinder								-	-	-	-
A3.8.4.1.10. Leading edge flap hydraulic actuator								-	-	-	-
A3.8.4.2. Remove/Install Pitch Trim Hydraulic Motor								-	-	-	-
A3.8.4.3. Remove/Install Valves											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.8.4.3.1. Flap pack control valve								-	-	-	-
A3.8.4.3.2. Spoiler control valve								-	-	-	-
A3.8.4.3.3. Pitch trim control valve								-	-	-	-
A3.8.4.3.4. Slat control valve								-	-	-	-
A3.8.4.3.5. Leading edge flap control valve								-	-	-	-
A3.8.4.4. Remove/Install Manifolds											
A3.8.4.4.1. Flap pack manifold								-	-	-	-
A3.8.4.4.2. Pitch trim hydraulic manifold								-	-	-	-
A3.8.4.4.3. Hydraulic manifold/IFCM								-	-	-	-
A3.8.4.5. Slat clutch/brake assembly (Solenoid operated)								-	-	-	-
A3.8.4.6. Filters								-	-	-	-
A3.8.4.7. Switches								-	-	-	-
A3.8.4.8. LVDTs (Linear Variable Differential Transformer)								-	-	-	-
A3.8.4.9. Pitch trim brake								-	-	-	-
A3.8.4.10. Flap pack gearbox								-	-	-	-
A3.8.5. Repair/Overhaul/bench check components											
A3.8.5.1. Pitch Trim Motors								-	-	-	-
A3.8.5.2. Flap Pack Control Valve								-	-	-	-
A3.8.5.3. Manifolds											
A3.8.5.3.1. Pitch trim control manifold								-	-	-	-
A3.8.5.3.2. Flap pack manifold								-	-	-	-
A3.8.5.3.3. Pitch trim hydraulic manifold								-	-	-	-
A3.8.5.4. Slat clutch brake assembly								-	-	-	-
A3.8.5.5. Pitch trim actuator greaser								-	-	-	-
A3.8.5.6. Power control unit assemblies								-	-	-	-
A3.8.5.7. Accumulators								-	-	-	-
A3.8.5.8. Servo assemblies								-	-	-	-
A3.8.5.9. Aileron power unit bungee								-	-	-	-
A3.8.6. Perform adjustments											
A3.8.6.1. Ailerons								-	-	-	-
A3.8.6.2. Elevators								-	-	-	-
A3.8.6.3. Rudder								-	-	-	-
A3.8.6.4. Flaps								-	-	-	-
A3.8.6.5. Horizontal stabilizer								-	-	-	-
A3.8.6.6. Slats								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.8.6.7. Spoilers								-	-	-	-
A3.8.6.8. Flap pack control valve								-	-	-	-
A3.8.6.9. Aileron power control unit bungee								-	-	-	-
A3.8.7. Troubleshoot malfunctions											
A3.8.7.1. Ailerons								-	-	-	-
A3.8.7.2. Elevators								-	-	-	-
A3.8.7.3. Rudder								-	-	-	-
A3.8.7.4. Flaps								-	-	-	-
A3.8.7.5. Horizontal stabilizer								-	-	-	-
A3.8.7.6. Slats								-	-	-	-
A3.8.7.7. Spoilers								-	-	-	-
A3.9. WEAPONS/CARGO DOOR SYSTEMS TR: Applicable aircraft TOs											
A3.9.1. Operational fundamentals											
A3.9.1.1. FWD visor and ramp system								-	-	-	
A3.9.1.2. AFT/cargo doors/ramp system(s)								-	-	-	-
A3.9.1.3. Crew entry door/stair ladder HYD system								-	-	-	-
A3.9.1.4. Air deflector system								-	-	-	-
A3.9.1.5. Cargo door and ramp emergency escape system								-	-	-	-
A3.9.1.6. Drogue parachute deployment mechanism								-	-	-	-
A3.9.1.7. Stabilizer strut system								-	-	-	-
A3.9.1.8. Cargo winch								-	-	-	-
A3.9.2. Perform operational check											
A3.9.2.1. FWD visor and ramp system check								-	-	-	-
A3.9.2.2. Cargo doors/ramp system check/operation								-	-	-	-
A3.9.2.3. Crew entry door/stair ladder and flight station ladder system								-	-	-	-
A3.9.2.4. Air deflector assembly								-	-	-	-
A3.9.2.5. Cargo door and ramp emergency system								-	-	-	-
A3.9.2.6. Drogue parachute deployment system								-	-	-	-
A3.9.2.7. Stabilizer strut system								-	-	-	-
A3.9.2.8. Cargo winch system								-	-	-	-
A3.9.3. Inspect system											
A3.9.3.1. FWD visor and ramp hydraulic components								-	-	-	-
A3.9.3.2. Cargo doors/AFT ramp hydraulic components								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.9.3.3. Crew entry door/stair ladder hydraulic components								-	-	-	-
A3.9.4. Remove/install components											
A3.9.4.1. Remove/Install Actuators											
A3.9.4.1.1. Cargo door/ramp lock actuator								-	-	-	-
A3.9.4.1.2. Visor lock actuators								-	-	-	-
A3.9.4.1.3. Forward/aft ramp actuators								-	-	-	-
A3.9.4.1.4. Forward ramp extension actuators								-	-	-	-
A3.9.4.1.5. FWD ramp extension toe plate actuators								-	-	-	-
A3.9.4.1.6. Pressure door actuators								-	-	-	-
A3.9.4.1.7. Hinge select actuators								-	-	-	-
A3.9.4.1.8. AFT side door actuators								-	-	-	-
A3.9.4.1.9. Pressure door lock actuators								-	-	-	-
A3.9.4.1.10. Petal door lock actuators								-	-	-	-
A3.9.4.1.11. Cargo door actuators								-	-	-	-
A3.9.4.2. Remove/Install Motors											
A3.9.4.2.1. Visor motor								-	-	-	-
A3.9.4.2.2. AFT center motor								-	-	-	-
A3.9.4.3. Remove/Install Valves											
A3.9.4.3.1. AFT ramp asymmetry valve								-	-	-	-
A3.9.4.3.2. Cargo door selector/control valves								-	-	-	-
A3.9.4.3.3. Ramp control valve								-	-	-	-
A3.9.4.3.4. Cargo/air delivery system isolation valve								-	-	-	-
A3.9.4.4. Remove/Install Manifolds											
A3.9.4.4.1. Cargo door hydraulic manifold								-	-	-	-
A3.9.4.4.2. Crew entry door manifold								-	-	-	-
A3.9.4.4.3. Hydraulic CDS/ADS control manifold assembly								-	-	-	-
A3.9.4.5. Cargo door and ramps hydraulic LRUs								-	-	-	-
A3.9.4.6. Crew entry door/stair ladder and flight station ladder hydraulic LRUs								-	-	-	-
A3.9.4.7. Pedal door gearbox assembly								-	-	-	-
A3.9.4.8. Remove/Install Cylinder											
A3.9.4.8.1. Air deflector linear cylinder								-	-	-	-
A3.9.4.8.2. Clearance actuating cylinder								-	-	-	-
A3.9.4.8.3. Ramp toe actuating cylinder								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.9.4.8.4. Drogue parachute deployment actuator cylinder								-	-	-	-
A3.9.4.9. Ramp/door accumulator								-	-	-	-
A3.9.4.10. Valve selector air deflector								-	-	-	-
A3.9.4.11. Parachute deployment components								-	-	-	-
A3.9.4.12. Tow/release mechanism								-	-	-	-
A3.9.4.13. Load stabilization strut								-	-	-	-
A3.9.4.14. Cargo door reservoir								-	-	-	-
A3.9.5. Repair/Overhaul/Bench check components											
A3.9.5.1. Aircraft cargo winch								-	-	-	-
A3.9.5.2. AFT troop compartment stair ladder system								-	-	-	-
A3.9.5.3. Door accumulator								-	-	-	-
A3.9.5.4. Aircraft cargo winch								-	-	-	-
A3.9.5.5. AFT troop compartment stair ladder system								-	-	-	-
A3.9.5.6. Door accumulator								-	-	-	-
A3.9.5.7. Pedal door gearbox assembly								-	-	-	-
A3.9.5.8. Valve selector air deflector								-	-	-	-
A3.9.5.9. Parachute deployment components								-	-	-	-
A3.9.5.10. Tow/release mechanism								-	-	-	-
A3.9.5.11. Load stabilization strut								-	-	-	-
A3.9.5.12. Cargo door reservoir								-	-	-	-
A3.10. INFLIGHT REFUELING SYSTEMS TR: Applicable aircraft TOs											
A3.10.1. Perform operational check											
A3.10.1.1. Air refueling fuel system								-	-	-	-
A3.10.1.2. Boom fuel system								-	-	-	-
A3.10.1.3. Hose drogue system								-	-	-	-
A3.10.1.4. Air refueling electrical system								-	-	-	-
A3.10.1.5. Air refueling hydraulic system								-	-	-	-
A3.10.2. Remove/install components											
A3.10.2.1. Remove/Install Motors											
A3.10.2.1.1. Telescope servo motor								-	-	-	-
A3.10.2.1.2. Hoist motor/tension motor								-	-	-	-
A3.10.2.2. Remove/Install Actuators											
A3.10.2.2.1. Fuel dump actuator								-	-	-	-
A3.10.2.2.2. Sighting door actuators								-	-	-	-
A3.10.2.2.3. Elevator actuators								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.10.2.2.4. Tandem rudder actuators								-	-	-	-
A3.10.2.3. Air refueling electrical components								-	-	-	-
A3.10.2.4. Fuel flow off load totalizer								-	-	-	-
A3.10.2.5. Preload bungee cylinder								-	-	-	-
A3.10.2.6. Gimbal/fork assembly								-	-	-	-
A3.10.2.7. ARB sliding fuel/gland seal								-	-	-	-
A3.10.2.8. Boom accelerometer								-	-	-	-
A3.10.2.9. Boom elevation and roll axis indication LVDT (Linear variable differential transducer)								-	-	-	-
A3.10.2.10. Roll position transducer								-	-	-	-
A3.10.2.11. Ruddervator torque tube bearings								-	-	-	-
A3.10.2.12. Boom signal coil								-	-	-	-
A3.10.2.13. Boom hoist cable								-	-	-	-
A3.10.2.14. Boom hoist hookeye								-	-	-	-
A3.10.2.15. Boom hoist winch/drum								-	-	-	-
A3.10.2.16. Pneumatic module (IDS) Independent disconnect system								-	-	-	-
A3.10.2.17. ARO/instructor's controllers								-	-	-	-
A3.10.2.18. Hose reel hydraulic components								-	-	-	-
A3.10.2.19. Guillotine								-	-	-	-
A3.10.2.20. Air refueling electrical system								-	-	-	-
A3.10.2.21. Control units											
A3.10.2.21.1. Boom control unit (BCU)								-	-	-	-
A3.10.2.21.2. Fuel pressure control unit (FPCU)								-	-	-	-
A3.10.2.21.3. DRCU								-	-	-	-
A3.10.2.21.4. Status test panel (STP)								-	-	-	-
A3.10.2.21.5. Telescope signal amplifier								-	-	-	-
A3.10.2.21.6. Elevation signal amplifier								-	-	-	-
A3.10.2.22. Ancillary reservoir								-	-	-	-
A3.10.2.23. AR hydraulic system LRUs											
A3.10.2.23.1. Flow regulators								-	-	-	-
A3.10.2.23.2. Filters								-	-	-	-
A3.10.3. Repair/Overhaul components											
A3.10.3.1. Drogue Assemblies											
A3.10.3.1.1. Drogue coupling assembly								-	-	-	-
A3.10.3.2. Stowage shock absorber								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A3.11. WING AIR REFUELING POD TR: Applicable aircraft technical order											
A3.11.1. Power Unit											
A3.11.1.1. Remove components								-	-	-	-
A3.11.1.2. Install components								-	-	-	-
A3.11.1.3. Perform system operational check								-	-	-	-
A3.11.2. MPRS Pod Fueldraulics System											
A3.11.2.1. Operational fundamentals								-	-	-	-
A3.11.2.2. Remove components								-	-	-	-
A3.11.2.3. Install components								-	-	-	-
A3.11.2.4. Perform system operational check								-	-	-	-
A3.11.3. Hose Drum System											
A3.11.3.1. Operational fundamentals								-	-	-	-
A3.11.3.2. Perform hose tail check								-	-	-	-
A3.11.3.3. Perform jettison check								-	-	-	-
A3.11.4. Pod Controller											
A3.11.4.1. Operational fundamentals								-	-	-	-
A3.11.4.2. Perform BITE check								-	-	-	-
A3.12. SHOP AND AEROSPACE GROUND EQUIPMENT TR: Applicable equipment TOs											
A3.12.1. Shop equipment											
A3.12.1.1. Compression Riveter											
A3.12.1.1.1. Operate								-	-	-	-
A3.12.1.1.2. Maintain								-	-	-	-
A3.12.1.2. Nozzle/Drogue tester											
A3.12.1.2.1. Operate								-	-	-	-
A3.12.1.2.2. Maintain								-	-	-	-

AMC TRAINING REQUIREMENTS

STS 2A6X5

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC

Attachment 3

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
Attachment 4 NOTE 1: The following core tasks are in addition to those in Attachment 2 NOTE 2: Tasks and knowledge listed in attachment 4 will be used in conjunction with attachment 2 by fighter personnel for upgrade requirements. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Address comments and recommended changes through ACC Functional Managers to the AETC Training Manager, DSN 736-2772.											
A4.1. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
A4.1.1. Repair/overhaul components											
A4.1.1.1. Valves/Manifolds								-	-	-	-
A4.1.1.2. Reservoirs								-	-	-	-
A4.1.1.3. Accumulators								-	-	-	-
A4.1.2. Bench check components											
A4.1.2.1 Valves								-	-	-	-
A4.1.2.2. Reservoirs								-	-	-	-
A4.1.2.3. Manifolds								-	-	-	-
A4.2. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											
A4.2.1. Repair/Overhaul components											
A4.2.1.1. Actuators								-	-	-	-
A4.2.1.2. Swivels								-	-	-	-
A4.2.1.3. Struts								-	-	-	-
A4.2.2. Bench check components											
A4.2.2.1. Actuators								-	-	-	-
A4.2.2.2. Swivels								-	-	-	-
A4.2.2.3. Struts								-	-	-	-
A4.3. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
A4.3.1. Repair/Overhaul Brake Assemblies	*							-	-	-	-
A4.3.2. Bench check Brake Assemblies	*							-	-	-	-
A4.4. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
A4.4.1. Repair/Overhaul components											
A4.4.1.1. Boost Packs								-	-	-	-
A4.4.1.2. Manifolds								-	-	-	-
A4.4.1.3. PRCA/PDU								-	-	-	-
A4.4.2. Bench check components											
A4.4.2.1. Boost Packs								-	-	-	-
A4.4.2.2. Manifolds								-	-	-	-
A4.4.2.3. PRCA/PDU								-	-	-	-

FIGHTER REQUIREMENTS

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
Attachment 5 NOTE 1: The core tasks listed in Attachment 5 are in addition to those in Attachment 2 NOTE 2: Tasks and knowledge listed in Attachment 5 will be used in conjunction with Attachment 2 by B-52 personnel for upgrade requirements. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Address comments and recommended changes through ACC Functional Managers to the AETC Training Manager, DSN 736-2772.											
A5.1. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
A5.1.1. Perform operational check	*							-	-	-	-
A5.1.2. Service components	*							-	-	-	-
A5.1.3. Remove components											
A5.1.3.1. Pumps	*							-	-	-	-
A5.1.3.2. Valves	*							-	-	-	-
A5.1.3.3. Filters	*							-	-	-	-
A5.1.3.4. Accumulators	*							-	-	-	-
A5.1.4. Install components											
A5.1.4.1. Pumps	*							-	-	-	-
A5.1.4.2. Valves	*							-	-	-	-
A5.1.4.3. Filters	*							-	-	-	-
A5.1.4.4. Accumulators	*							-	-	-	-
A5.2. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											
A5.2.1. Remove components											
A5.2.1.1 Actuators	*							-	-	-	-
A5.2.1.2 Valves	*							-	-	-	-
A5.2.3. Install components											
A5.2.3.1 Actuators	*							-	-	-	-
A5.2.3.2 Valves	*							-	-	-	-
A5.2.4. Repair/Overhaul components											
A5.2.4.1 Actuators	*							-	-	-	-
A5.2.4.2 Valves	*							-	-	-	-
A5.3. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
A5.3.1. Remove components											
A5.3.1.1 Swivels	*							-	-	-	-
A5.3.1. 2 Brake assembly								-	-	-	-
A5.3.2. Install components											
A5.3.2.1 Swivels	*							-	-	-	-
A5.3.2.2 Brake Assembly								-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A5.4. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
A5.4.1. Remove components											
A5.4.1.1 Actuators	*							-	-	-	-
A5.4.1.2. Rudder Elevator Transformer	*							-	-	-	-
A5.4.1.3. Rudder Elevator Pump	*							-	-	-	-
A5.4.1.4 Rudder Elevator Reservoir	*							-	-	-	-
A5.4.1.5 Swivels	*							-	-	-	-
A5.4.2. Install components											
A5.4.2.1 Rudder Elevator Transformer	*							-	-	-	-
A5.4.2.2 Rudder Elevator Pump	*							-	-	-	-
A5.4.2.3 Rudder Elevator Reservoir	*							-	-	-	-
A5.4.2.4 Swivels	*							-	-	-	-
A5.4.3. Repair/Overhaul components											
A5.4.3.1 Rudder Elevator Transformer	*							-	-	-	-
A5.4.3.2 Rudder Elevator Pump	*							-	-	-	-
A5.4.3.3 Rudder Elevator Reservoir	*							-	-	-	-
A5.4.4. Bench check components											
A5.4.4.1 Rudder Elevator Transformer	*							-	-	-	-
A5.4.4.2 Rudder Elevator Pump	*							-	-	-	-
A5.4.4.3 Rudder Elevator Reservoir	*							-	-	-	-
A5.5. WEAPONS/CARGO DOOR SYSTEMS TR: Applicable aircraft TOs											
A5.5.1. Remove components											
A5.5.1.1 Hydraulic Actuators	*							-	-	-	-
A5.5.1.2 Hydraulic Valves	*							-	-	-	-
A5.5.2. Install components											
A5.5.2.1 Hydraulic Actuators	*							-	-	-	-
A5.5.2.2 Hydraulic Valves	*							-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
ATTACHMENT 6 NOTE 1: The following core tasks listed in Attachment 6 are in addition to those in Attachment 2. NOTE 2: Tasks and knowledge listed in attachment 6 will be used in conjunction with attachment 2 by B-1 personnel for upgrade requirements. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Address comments and recommended changes through ACC Functional Manager to the AETC Training Manager, DSN 736-2772.											
A6.1. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
A6.1.1. Operational fundamentals								-	-	-	-
A6.1.2. Perform operational check	*							-	-	-	-
A6.1.3. Flush hydraulic system		*						-	-	-	-
A6.1.4. Service components	*							-	-	-	-
A6.1.5. Remove components											
A6.1.5.1. Pumps	*							-	-	-	-
A6.1.5.2. Motors	*							-	-	-	-
A6.1.5.3. Valves	*							-	-	-	-
A6.1.5.4. Filters	*							-	-	-	-
A6.1.5.5. Accumulators	*							-	-	-	-
A6.1.5.6. Indicating Devices	*							-	-	-	-
A6.1.6. Install components											
A6.1.6.1. Pumps	*							-	-	-	-
A6.1.6.2. Motors	*							-	-	-	-
A6.1.6.3. Valves	*							-	-	-	-
A6.1.6.4. Filters	*							-	-	-	-
A6.1.6.5. Accumulators	*							-	-	-	-
A6.1.6.6. Indicating Devices	*							-	-	-	-
A6.1.7. Repair/overhaul components											
A6.1.7.1 Valves	*							-	-	-	-
A6.1.7.2. Filters	*							-	-	-	-
A6.1.7.3. Manifolds	*							-	-	-	-
A6.1.7.4. Accumulators	*							-	-	-	-
A6.1.8. Bench check components											
A6.1.8.1. Valves	*							-	-	-	-
A6.1.8.2. Manifolds	*							-	-	-	-
A6.1.8.3. Accumulators	*							-	-	-	-
A6.1.8.4. Indicating Devices	*							-	-	-	-
A6.1.8.5. Perform adjustments	*							-	-	-	-
A6.2. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.2.1. Operational fundamentals								-	-	-	-
A6.2.2. Perform operational check of emergency system	*							-	-	-	-
A6.2.3. Remove components											
A6.2.3.1 Actuators	*							-	-	-	-
A6.2.3.2 Motors	*							-	-	-	-
A6.2.3.3. Manifolds	*							-	-	-	-
A6.2.3.4 Valves	*							-	-	-	-
A6.2.3.5 Swivels	*							-	-	-	-
A6.2.4. Install components											
A6.2.4.1. Actuators	*							-	-	-	-
A6.2.4.2. Motors	*							-	-	-	-
A6.2.4.3. Manifolds	*							-	-	-	-
A6.2.4.4. Valves	*							-	-	-	-
A6.2.4.5. Swivels	*							-	-	-	-
A6.2.5. Repair/Overhaul components											
A6.2.5.1 Actuators	*							-	-	-	-
A6.2.5.2 Motors	*							-	-	-	-
A6.2.5.3 Manifolds	*							-	-	-	-
A6.2.5.4 Valves	*							-	-	-	-
A6.2.5.5 Swivels	*							-	-	-	-
A6.2.5.6 Struts											
A6.2.5.6.1. Main	*							-	-	-	-
A6.2.5.6.2. Nose	*							-	-	-	-
A6.2.6. Bench check components											
A6.2.6.1. Actuators	*							-	-	-	-
A6.2.6.2. Valves	*							-	-	-	-
A6. 2.6.3. Swivels	*							-	-	-	-
A6.2.6.4. Struts								-	-	-	-
A6.2.6.5. Main								-	-	-	-
A6.2.6.6. Nose								-	-	-	-
A6.2.7. Perform adjustments	*							-	-	-	-
A6.3. NOSE WHEEL STEERING SYSTEMS TR: Applicable aircraft TOs											
A6.3.1. Operational fundamentals								-	-	-	-
A6.3.2. Remove components											
A6.3.2.1. Valves	*							-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.3.2.2. Swivels	*							-	-	-	-
A6.3.3. Install components											
A6.3.3.1. Valves	*							-	-	-	-
A6.3.3.2. Swivels	*							-	-	-	-
A6.3.4. Bleed system	*							-	-	-	-
A6.3.5. Repair/Overhaul swivels	*							-	-	-	-
A6.3.6. Bench check swivels	*							-	-	-	-
A6.4. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
A6.4.1. Operational fundamentals								-	-	-	-
A6.4.2. Remove components											
A6.4.2.1. Swivels	*							-	-	-	-
A6.4.2.2. Manifolds	*							-	-	-	-
A6.4.2.3. Accumulators	*							-	-	-	-
A6.4.2.4. Valves	*							-	-	-	-
A6.4.3. Install components											
A6.4.3.1 Swivels	*							-	-	-	-
A6.4.3.2. Manifolds	*							-	-	-	-
A6.4.3.3. Accumulators	*							-	-	-	-
A6.4.3.4. Valves	*							-	-	-	-
A6.4.4. Repair/Overhaul components											
A6.4.4.1. Swivels	*							-	-	-	-
A6.4.4.2. Accumulators	*							-	-	-	-
A6.4.4.3. Valves	*							-	-	-	-
A6.4.4.4. Brake Assemblies	*							-	-	-	-
A6.4.5. Bench check components											
A6.4.5.1. Swivels	*							-	-	-	-
A6.4.5.2. Accumulators	*							-	-	-	-
A6.4.5.3. Valves	*							-	-	-	-
A6.4.5.4. Brake Assemblies	*							-	-	-	-
A6.5. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
A6.5.1. Operational fundamentals	*							-	-	-	-
A6.5.2. Repair/Overhaul components											
A6.5.2.1. Actuators	*							-	-	-	-
A6.5.3. Perform adjustments	*							-	-	-	-
A6.6. WEAPONS/CARGO DOOR SYSTEMS TR: Applicable aircraft TOs											

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A6.6.1. Operational fundamentals								-	-	-	-
A6.6.2. Remove Power Distribution Unit								-	-	-	-
A6.6.3. Install Power Distribution Unit								-	-	-	-
A6.6.4. Bleed system	*							-	-	-	-
A6.6.5. Perform adjustments	*							-	-	-	-
A6.7. AIR REFUELING RECEIVER SYSTEM TR: Applicable aircraft TOs											
A6.7.1. Operational fundamentals								-	-	-	-
A6.7.2. Remove components											
A6.7.2.1. Actuators	*							-	-	-	-
A6.7.2.2. Valves	*							-	-	-	-
A6.7.3. Install components											
A6.7.3.1. Actuators	*							-	-	-	-
A6.7.3.2. Valves	*							-	-	-	-
A6.7.4. Bleed system	*							-	-	-	-
A6.7.5. Repair/Overhaul components											
A6.7.5.1. Actuators	*							-	-	-	-
A6.7.6. Bench check components											
A6.7.6.1. Actuators	*							-	-	-	-
A6.7.7. Perform adjustments	*							-	-	-	-
A6.7.8. Rig ARR system	*							-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
ATTACHMENT 7 NOTE 1: The core tasks listed in Attachment 7 are in addition to those in Attachment 2. NOTE 2: Tasks and knowledge listed in attachment 7 will be used in conjunction with attachment 2 by E-3 personnel for upgrade requirements. NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision. NOTE 4: Address comments and recommended changes through ACC Functional Managers to the AETC Training Manager, DSN 736-2772.											
A7.1. HYDRAULIC POWER SYSTEMS TR: Applicable aircraft TOs											
A7.1.1. Service components	*							-	-	-	-
A7.1.2. Perform operational check	*							-	-	-	-
A7.1.3. Remove components											
A7.1.3.1. Pumps	*							-	-	-	-
A7.1.3.2. Valves	*							-	-	-	-
A7.1.3.3. Filters	*							-	-	-	-
A7.1.3.4. Accumulators	*							-	-	-	-
A7.1.3.5. Indicating Devices	*							-	-	-	-
A7.1.4. Install components											
A7.1.4.1. Pumps	*							-	-	-	-
A7.1.4.2. Valves	*							-	-	-	-
A7.1.4.3. Filters	*							-	-	-	-
A7.1.4.4. Accumulators	*							-	-	-	-
A7.1.4.5. Indicating Devices	*							-	-	-	-
A7.2. LANDING GEAR SYSTEMS TR: Applicable aircraft TOs											
A7.2.1. Operational fundamentals								-	-	-	-
A7.2.2. Remove components											
A7.2.2.1. Actuators	*							-	-	-	-
A7.2.2.2. Valves	*							-	-	-	-
A7.2.3. Install components											
A7.2.3.1. Actuators	*							-	-	-	-
A7.2.3.2. Valves	*							-	-	-	-
A7.3. NOSE WHEEL STEERING SYSTEMS TR: Applicable aircraft TOs											
A7.3.1. Operational fundamentals								-	-	-	-
A7.3.2. Remove components											
A7.3.2.1. Actuators	*							-	-	-	-
A7.3.2.2. Valves	*							-	-	-	-
A7.3.3. Install components											
A7.3.3.1. Actuators	*							-	-	-	-

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Attachment 1)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Certifier Initials	Course	CDC	(1) Course	(2) CDC
A7.3.3.2. Valves	*							-	-	-	-
A7.3.4. Bleed system	*							-	-	-	-
A7.4. WHEEL BRAKE SYSTEM TR: Applicable aircraft TOs											
A7.4.1. Service components	*							-	-	-	-
A7.4.2. Remove components											
A7.4.2.1. Accumulators	*							-			
A7.4.2.2. Valves	*							-	-	-	-
A7.4.3. Install components											
A7.4.3.1. Accumulators	*							-	-	-	-
A7.4.3.2 Valves	*							-	-	-	-
A7.5. FLIGHT CONTROL SYSTEMS TR: Applicable aircraft TOs											
A7.5.1. Operational fundamentals								-	-	-	-
A7.5.2. Remove components											
A7.5.2.1. Valves	*							-	-	-	-
A7.5.2.2. Swivels	*							-	-	-	-
A7.5.3. Install components											
A7.5.3.1. Valves	*							-	-	-	-
A7.5.3.2. Swivels	*							-	-	-	-
A7.5.3.3. Bleed flight control system	*							-	-	-	-
A7.5.4. Repair/Overhaul swivels	*							-	-	-	-
A7.5.5. Bench check swivels	*							3c	-	-	-
A7.6. AIR REFUELING RECEIVER SYSTEM TR: Applicable aircraft TOs											
A7.6.1. Operational fundamentals								-	-	-	-
A7.6.2. Service components	*							-	-	-	-
A7.6.3. Remove components											
A7.6.3.1 Actuators	*							-	-	-	-
A7.6.3.2 Valves	*							-	-	-	-
A7.6.4. Install components											
A7.6.4.1 Actuators	*							-	-	-	-
A7.6.4.2 Valves	*							-	-	-	-
A7.6.5. Bleed system	*							-	-	-	-

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives using the PC code indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the '2b' proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the '3c' proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to 364 TRS/TRR, 511 9th Ave STE 1, Sheppard AFB TX, 76311-2338.

Section C - Support Material

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS
601 D Street
Keesler AFB, MS 39534-2229
DSN 597-5893

782 TRG
826 Avenue G Suite 4
Sheppard AFB, TX 76311-2867
DSN 736-2568

Course Number	Course Title	Developer
*AFQTP 2EXXX-201L	Workcenter Managers Handbook	333 TRS
*AFQTP 2EXXX-201LB	C-E Managers Handbook	333 TRS
ECI Specialized Course 1200	Air Force Technical Orders	782 TRG
*AFQTP 2EXXX-201G	Maintenance Support	333 TRS
*AFQTP 2EXXX-201P	TMDE Management	333 TRS
*AFQTP 2EXXX-201J	Maintenance Training Program	333 TRS

*Courses can be downloaded from 333 TRS home page at:
http://www.kee.aetc.af.mil/333trs/qflight

Section D - Training Course Index

9. Purpose. This section of the CFETP identifies training courses available for the Hydraulic Systems Specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

364 TRS/TRR
511 9th Ave STE 1
Sheppard AFB, TX 76311-2338
DSN 736-2772

10. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2A635 000	Aircraft Hydraulic Systems Apprentice	Sheppard AFB	AF, FMS, ANG, AFRC
J3ACR2A675 000	Aircraft Hydraulic Systems Craftsman	Sheppard AFB	AF, ANG, AFRC
J3ABR2A635 001	KC-135 In-Flight Refueling System	Sheppard AFB	AF, ANG, AFRC

11. Extension Course Institute (ECI) Courses.

364 TRS/TTMAS
511 9th Ave STE 1
Sheppard AFB, TX 76311-2338
DSN 736-2772

COURSE NO.	COURSE TITLE	User
CDC 2A655	Aircraft Hydraulic Systems Journeyman	AF
CDC 2A675	Aircraft Hydraulic Systems Craftsman	AF

12. Exportable Courses.

For further information on the following exportable courses, contact the OPRs at:

367 TRSS
6058 Aspen Ave
Hill AFB, UT 84056-5805
DSN 777-7830/8741

362 TRS
613 10th Ave
Sheppard AFB, TX 76311-2352
DSN 736-5206

The Hill AFB course catalog can be ordered from DSN 777-0160, FAX 777-0897, or www.hill.af.mil/367trss/findex/htm.

COURSE NO.	COURSE TITLE	OPR	User

COURSE NO.	COURSE TITLE	OPR	User
00TVT0000	FOD Prevention (VHS tape)	367 TRSS	AF
00TVT0001	Safety and Radio Frequency (RF) Radiation (VHS tape)	367 TRSS	AF
00TVT0001V1	Troubleshooting Techniques (ICW)	367 TRSS	AF
00TTV0002	Aerospace Ground Equipment Training (ICW)	367 TRSS	AF
00TCB0002V1	Multimeter Familiarization (ICW)	367 TRSS	AF
00TIV0007	Potential Hazards of Oxygen Enriched Environments (VHS tape)	367 TRSS	AF
00CIV0008	Use and Care of Type III Torque Wrenches (ICW)	367 TRSS	AF
00CVT0009	Torque Wrench, Use and Care (VHS tape)	367 TRSS	AF
00TVT0011	Cold Weather Indoctrination (VHS tape)	367 TRSS	AF
00CVT0012	Manual Acft Snow Removal (VHS tape)	367 TRSS	AF
00TVT0017V1	General Aircraft Corrosion Control (VHS tape)	367 TRSS	AF
00TIV1000	Aircraft Marshaling (ICW)	367 TRSS	AF
01SIV8971V5.1.1	-86 Diesel Power Unit Operation (ICW)	367 TRSS	AF
00SIV8972	MA-3D Air Conditioner Operation (ICW)	367 TRSS	AF
01CIV0016	B-1B Emergency Ground Egress	367 TRSS	AF
01CIV0051	B-1B Command Aircraft Systems Training (CAST) General Airplane Information	367 TRSS	AF
01CIV0052	B-1B Hazardous Zones	367 TRSS	AF
01CIV1001	B-1B Safe for Maintenance	367 TRSS	AF
01CIV1615	B-1B Egress System Safety	367 TRSS	AF
01JIV0001	B-1B General Electrical Maintenance, part 1	367 TRSS	AF
01JIV0002	B-1B General Electrical Maintenance, part 2	367 TRSS	AF
01JIV0003	B-1B General Electrical Maintenance, part 3	367 TRSS	AF
01JIV0005	B-1B CITS Parameter Monitor Codes (PMC)	367 TRSS	AF
01JIV0006	B-1B CITS Maintenance Codes	367 TRSS	AF

COURSE NO.	COURSE TITLE	OPR	User
01JIV0038	B-1B Hardness Critical Procedures (HCP) Check	367 TRSS	AF
01JIV1100	B-1B Panel Types, Location, and Construction	367 TRSS	AF
01JIV1101	B-1B Panel and Secondary Structure Inspection	367 TRSS	AF
01JIV1103	B-1B Forward Equipment Bay (FEB) Panels	367 TRSS	AF
01JIV1134	B-1B Fasteners/Related Hardware	367 TRSS	AF
01JIV2301	B-1B CAST Aircraft Systems and Power Plant	367 TRSS	AF
01JIV4300	B-1B EMUX	367 TRSS	AF
01JIV5500	B-1B CAST CITS/EMUX	367 TRSS	AF
01JIV5501	B-1B Ground Readiness Tests (GRT)	367 TRSS	AF
01SIV1005	B-1B Proximity Switch (Cover/Uncover) Simulated Airborne Conditions	367 TRSS	AF
01SIV2400	B-1B Auxiliary Power Unit Operation	367 TRSS	AF
05IIV3201	C-5 Anti-Skid Detection System	367 TRSS	AF
05TIV1300	C-5 Landing Gear T/S and Maintenance	367 TRSS	AF
05TIV1301	C-5 Landing Gear Rigging	367 TRSS	AF
10CVT0001	KC-10 Emergency Ground Egress	367 TRSS	AF
10TIV4600	KC-10 Air Refueling System T/S and Maintenance	367 TRSS	AF
15AIV1301	F-15 Landing Gear T/S and Maintenance	367 TRSS	AF
16AIV1301	F-16 C/D Landing Gear System T/S and Maintenance	367 TRSS	AF
16AIV1302	F-16 C/D Block 50 Landing Gear System T/S and Maintenance	367 TRSS	AF
16TIV3202	F-16 C/D Block 50 Anti-Skid and Brake System T/S	367 TRSS	AF
30TIT0001	C-130 Emergency Escape	367 TRSS	AF
30TIV0001	C-130 Safe For Maintenance	367 TRSS	AF
35CVT0001	C-135 Emergency Ground Egress Procedures	367 TRSS	AF
35TIV4670	KC-135R Air Refueling System	367 TRSS	AF

COURSE NO.	COURSE TITLE	OPR	User
41TIV1410V1	C-141B Secondary Flight Controls System (Flaps and Spoilers)	367 TRSS	AF
41UIV11B1	C-141 Cargo Doors and Ramp Operation	367 TRSS	AF
52CVT0003	B-52H Emergency Ground Egress	367 TRSS	AF
52TVT1202	B-52H Seat Safety	367 TRSS	AF
J6AZU2E066 038	Air Force Technical Order (T.O.) System (Gen)	362 TRS	AF
J6AZU2E066 039	Air Force Technical Order (T.O.) System (Gen) (Adv)	362 TRS	AF
J6AZU2E066 058	Air Force Maintenance Data Collection System (CAMS)	362 TRS	AF
J6AZU2E066 059	Air Force Maintenance Data Collection System (CAMS)	362 TRS	AF
J6AZU2E066 061	Air Force Maintenance Data Collection System (CAMS) Operators Course (Intro)	362 TRS	AF
J6AZU2E066 062	Air Force Maintenance Data Collection System (CAMS) Mid Level Maintenance Mgrs	362 TRS	AF

13. Training Detachment (TD) Courses.

For further information on the TD courses, contact the OPRs at:

372 TRS
912 I Ave Suite 3
Sheppard AFB, TX 76311-2361
DSN 736-4801

373 TRS
912 I Ave Suite 4
Sheppard AFB, TX 76311-2362
DSN 736-4679

COURSE NO. J4AMF/ASF/AST	COURSE TITLE	OPR	User
2A6X5-001	B-1B Acft Hydraulic Systems Craftsman	372 TRS	AF

COURSE NO. J4AMF/ASF/AST	COURSE TITLE	OPR	User
2A6X5-003	KC-10A Acft Hydraulic Systems Specialist	373 TRS	AF
2A6X5-004	KC-10A Acft Hydraulic Systems Journeyman	373 TRS	AF
2A6X5-005	EC/KC-135 In-Flight Refueling Sys Repair Tech	373 TRS	AF
2A6X5-007	U-2R Acft Hydraulic System Craftsman	373 TRS	AF
2A6X5-008	E-4B Acft Hydraulic System Technician	373 TRS	AF
2A6X5-012	H-53 Helicopter Hydraulic Technician	373 TRS	AF
2A6X5-013	B-52H Acft Hydraulic System Craftsman	373 TRS	AF
2A6X5-014	EC-135 OA-8035/ARC-96 Antenna Group	373 TRS	AF
2A6X5-016	KC-135 Acft Hydraulic Repair Craftsman	373 TRS	AF
2A6X5-019	C-141 Hydraulic System Technician	373 TRS	AF
2A6X5-024	C-5 Acft Hydraulic System Technician	373 TRS	AF
2A6X5-030	HC/MC-130E/P/N In-Flight Refueling System	373 TRS	AF
2A6X5-032	C-130 Hydraulic Repair Technician	373 TRS	AF
2A6X5-037	B-2 Acft Hydraulic System Craftsman	372 TRS	AF
2A6X5-041	E-8C Hydraulic System Technician	373 TRS	AF
2A6X5-043	C-17 Hydraulic (Transition) System	373 TRS	AF
2A6X5-044	C-17 Hydraulic (Advanced) System	373 TRS	AF

11. Courses Under Development/Revision

N/A

Section E - MAJCOM Unique Requirements. There are no mandatory MAJCOM requirements. The below listed courses are available from HQ ACC LSG/OL-CA.

12. MAJCOM Courses. Contact the course OPRs at:

HQ ACC LSG / OL-CA
6058 Aspen
Hill AFB, UT 84056-5805
DSN 777-4278

COURSE NO.	COURSE TITLE	OPR	User
Y140009	ACC Production Superintendent	HQACC/ LSG	ACC
Y140015	ACC Maintenance Instructor	HQACC/ LSG	ACC
Y140020	ACC Maintenance Training Management	HQACC/ LSG	ACC